SHARP

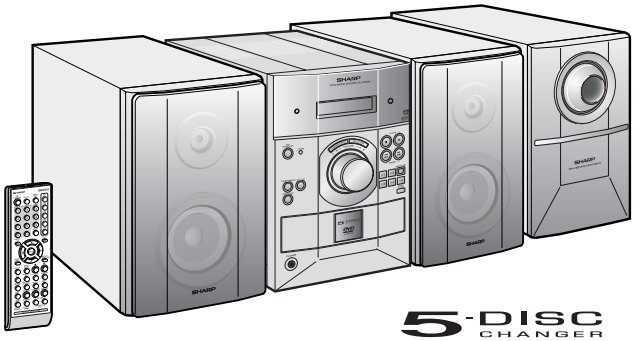
DVD-MICRO-SYSTEM
MICRO-CHAÎNE DVD
CADENA MICRO CON DVD
DVD MIKRO SYSTEM
SISTEMA DVD MICRO
DVD MICRO-SYSTEEM
MICROSSISTEMA DVD
DVD MICRO SYSTEM

MODELL	**MODELLO**
MODÈLE	**MODEL**
MODELO	**MODELO**
MODELL	**MODEL**

XL-DV50H

BEDIENUNGSANLEITUNG	**MANUALE DI ISTRUZIONI**
MODE D'EMPLOI	**GEBRUIKSAANWIJZING**
MANUAL DE MANEJO	**MANUAL DE OPERAÇÃO**
BRUKSANVISNING	**OPERATION MANUAL**

- DVD-Micro-System XL-DV50H besteht aus XL-DV50H (Hauptgerät), CP-DV50HF (Front-Lautsprecher) und CP-DV50HSW (Subwoofer).
- Micro-chaîne DVD XL-DV50H composée de XL-DV50H (appareil principal), CP-DV50HF (enceintes avant) et CP-DV50HSW (woofer auxiliaire).
- Cadena micro con DVD XL-DV50H que consta de XL-DV50H (aparato prinpal), CP-DV50HF (altavoces delanteros) y CP-DV50HSW (altavoz de subgraves).
- XL-DV50H DVD mikro system bestående av XL-DV50H (huvudenhet), CP-DV50HF (främre högtalarna) och CP-DV50HSW (subwoofer).
- Sistema DVD micro XL-DV50H composto da XL-DV50H (apparecchio principale), CP-DV50HF (diffusori anteriori) e CP-DV50HSW (subwoofer).
- XL-DV50H DVD micro-systeem bestaande uit XL-DV50H (hoofdtoestel), CP-DV50HF (voorluidsprekers) en CP-DV50HSW (subwoofer).
- Microssistema DVD XL-DV50H composto de XL-DV50H (unidade principal), CP-DV50HF (caixas acústicas frontais) e CP-DV50HSW (subwoofer).
- XL-DV50H DVD Micro System consisting of XL-DV50H (main unit), CP-DV50HF (front speakers) and CP-DV50HSW (subwoofer).



DEUTSCH
Siehe Seiten i bis vi und D-1 bis D-56.

FRANÇAIS
Se reporter aux pages i à vi et F-1 à F-56.

ESPAÑOL
Consulte las páginas i a vi y S-1 a S-56.

SVENSKA
Hänvisa till sidorna i till vi och V-1 till V-56.

ITALIANO
Leggere le pagine i a vi e I-1 a I-56.

NEDERLANDS
Raadpleeg de bladzijden i t/m vi en N-1 t/m N-56.

PORTUGUÊS
Favor consultar as páginas i a vi e P-1 a P-56.

ENGLISH
Please refer to pages i to vi and E-1 to E-56.

BESONDERE ANMERKUNGEN
REMARQUES SPÉCIALES
NOTAS ESPECIALES
SÄRSKILDA ANMÄRKNINGAR
NOTE PARTICOLARI
BIJZONDERE OPMERKINGEN
NOTAS ESPECIAIS
SPECIAL NOTES

- Dieses Gerät entspricht den Anforderungen der EG-Richtlinien 89/336/EWG und 73/23/EWG mit Änderung 93/68/EWG.
- Ce matériel répond aux exigences contenues dans les directives 89/336/CEE et 73/23/CEE modifiées par la directive 93/68/CEE.
- Este aparato satisface las exigencias de las Directivas 89/336/CEE y 73/23/CEE, modificadas por medio de la 93/68/CEE.
- Denna utrustning uppfyller kraven enligt riktlinjerna 89/336/EEC och 73/23/EEC så som kompletteras av 93/68/EEC.
- Quest'apparecchio è conforme ai requisiti delle direttive 89/336/EEC e 73/23/EEC, come emendata dalla direttiva 93/68/EEC.
- **Dichiarazione di conformità**
  La società SHARP ELECTRONICS EUROPE GmbH dichiara che il prodotto SHARP SISTEMA DVD MICRO XL-DV50H è costruito in conformità alle prescrizioni del D.M.n°548 del 28/8/95, pubblicato sulla G.U.n°301 del 28/12/95 ed in particolare è conforme a quanto indicato nell'art. 2, comma 1 dello stesso decreto.
- Dit apparaat voldoet aan de eisen van de richtlijnen 89/336/EEG en 73/23/EEG, gewijzigd door 93/68/EEG.
- Este equipamento obedece às exigências das directivas 89/336/CEE e 73/23/CEE, na sua versão corrigida pela directiva 93/68/CEE.
- This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.
- Dette udstyr overholder kravene i direktiv nr. 89/336/EEC og 73/23/EEC med tillaeg nr. 93/68/EEC.
- Dette produktet oppfyller betingelsene i direktivene 89/336/EEC og 73/23/EEC i endringen 93/68/EEC.
- Tämä laite täyttää direktiivien 89/336/EEC ja 73/23/EEC vaatimukset, joita on muutettu direktiivillä 93/68/EEC.
- Η εγκατάσταση αυτή ανταποκρίνεται στις απαιτήσεις των οδηγιών της Ευρωπαϊκής Ενωσης 89/336/ΕΟΚ και 73/23/ΕΟΚ, αυτοί συμπληρώθηκαν από την οδηγία 93/68/ΕΟΚ.

- Bei Einstellung der ON/STAND-BY-Taste auf STAND-BY ist die Netzspannung immer noch im Gerät vorhanden.
  Wenn die ON/STAND-BY-Taste auf STAND-BY eingestellt wird, kann das Gerät unter Verwendung der Timer-Betriebsart oder Fernbedienung in Betrieb gesetzt werden.

  Warnung:
  In diesem Gerät sind keine vom Benutzer wartbaren Teile vorhanden. Niemals Abdeckungen entfernen, außer wenn Sie dafür qualifiziert sind. In diesem Gerät sind gefährliche Spannungen vorhanden. Vor Ausführung von irgendwelchen Kundendienstarbeiten oder bei längerer Nichtverwendung des Gerätes stets den Netzstecker aus der Netzsteckdose ziehen.
- Lorsque la touche ON/STAND-BY est mise en STAND-BY, l'appareil est toujours sous tension.
  Lorsque la touche ON/STAND-BY se trouve sur la position STAND-BY, l'appareil est prêt à fonctionner par la minuterie ou la télécommande.

  Avertissement:
  Cet appareil contient des pièces non réparables par l'utilisateur. Personne non qualifiée n'enlèvera jamais les couvercles. L'appareil contenant des organes portés à haute tension, débrancher l'appareil avant toute réparation ou en période de non-utilisation.

● Cuando el botón ON/STAND-BY está puesto en la posición STAND-BY, todavía hay tensión dentro del aparato.
Cuando el botón ON/STAND-BY está puesto en la posición STAND-BY, el aparato puede ponerse en funcionamiento utilizando el modo del temporizador o el controlador remoto.

Advertencia:
Tenga en cuenta que dentro de este aparato no hay piezas que pueda reparar. No quite nunca las tapas a menos que se esté cualificado para hacerlo. Este aparato tiene en su interior tensiones peligrosas.
Desenchufe siempre la clavija de la red del tomacorriente antes de realizar cualquier servicio de mantenimiento y cuando no se use el aparato durante un largo período de tiempo.

● När ON/STAND-BY knappen är i läge STAND-BY, finns nätspänning i apparaten.
Med ON/STAND-BY knappen i läge STAND-BY kan apparaten startas med timerfunktion eller fjärrkontrollen.

Varning:
Apparaten innehåller inga delar som kan åtgärdas av kunden. Höljet får endast öppnas av kvalificerad personal. Apparaten innehåller farliga spänningar.
Stickkontakten ska därför dras ut från nätuttaget före reparationsarbeten och bör dras ut om apparaten inte ska användas på mycket länge.

● Quando il tasto ON/STAND-BY si trova in posizione STAND-BY, all'interno dell'apparecchio c'è ancora la corrente.
Se il tasto ON/STAND-BY si trova nella posizione STAND-BY, l'unità può essere accesa con il modo timer o con il telecomando.

Avvertenza:
L'apparecchio non contiene parti riparabili dall'utente.
Non togliere mai i coperchi, a meno di non essere qualificati per farlo. All'interno dell'apparecchio ci sono tensioni pericolose, per cui si deve sempre staccare la spina del cavo d'alimentazione dalla presa di corrente prima di qualsiasi intervento di manutenzione e quando non si usa l'apparecchio per un lungo periodo di tempo.

● Wanneer de ON/STAND-BY toets in de STAND-BY stand staat, loopt er nog steeds stroom (netspanning) in het toestel.
Wanneer de ON/STAND-BY toets in de STAND-BY stand staat, kan het toestel ingeschakeld worden via de timerfunctie of de afstandsbediening.

Waarschuwing:
Dit toestel bevat geen door de gebruiker te repareren onderdelen. Verwijder de behuizing nooit tenzij u deskundig bent op dit gebied. In het toestel loopt een gevaarlijke spanning; haal de stekker altijd uit het stopcontact alvorens onderhoud uit te voeren of wanneer het toestel voor langere tijd niet gebruikt wordt.

● Quando o botão ON/STAND-BY estiver ajustado na posição STAND-BY, a voltagem de alimentação ainda se encontra presente dentro do aparelho.
Quando o botão ON/STAND-BY estiver ajustado na posição STAND-BY, o aparelho pode ser colocado em operação através do modo de programação horária ou pelo controle remoto.

Advertência:
Neste aparelho não há partes que podem ser consertadas pelo usuário. Nunca retire a tampa, a menos que você tenha qualificação para tal. Este aparelho contém voltagens perigosas. Remova sempre o cabo de alimentação da tomada antes de efetuar qualquer conserto ou quando deixar o aparelho muito tempo fora de uso.

● When the ON/STAND-BY button is set at STAND-BY position, mains voltage is still present inside the unit.
When the ON/STAND-BY button is set at STAND-BY position, the unit may be brought into operation by the timer mode or remote control.

Warning:
This unit contains no user serviceable parts. Never remove covers unless qualified to do so. This unit contains dangerous voltages, always remove mains plug from the socket before any service operation and when not in use for a long period.

● Når ON/STAND-BY-knappen er sat i STAND-BY positionen, er der stadig netspaending til stede i apparatet.
Når ON/STAND-BY-knappen er sat i STAND-BY position, kan apparatet startes v.hj.a. timer-funksionen eller fjernbetjeningen.

Advarsel:
Apparatet indeholder ingen dele, der kan repareres af brugeren selv. Fjern aldrig kabinettet med mindre De er kvalificeret hertil. Apparatet indeholder farlig strømspaending. Traek altid stikket ud af stikkontakten før der foretages reparationer, eller hvis apparatet ikke er i brug i laengere tid.

PŘED SEJMUTÍM KRYTU NUTNO VYJMOUT VIDLICI ZE SÍŤOVÉ ZÁSUVKY.

PRED ZLOŽENÍM KRYTU JE NUTNÉ ODPOJIŤ PRÍSTROJ ZO SIETE.

DENNA APPARAT ÄR ANSLUTEN TILL 230 V VÄXELSTRÖM NÄR STICKPROPPEN ÄR INSKJUTEN I VÄGGUTTAGET. FÖR ATT FULLSTÄNDIGT KOPPLA IFRÅN APPARATEN, V.G. DRAG UT STICKPROPPEN.

● **Vorsicht:**
Das Gerät weder Tropf- noch Spritzwasser aussetzen. Ansonsten besteht die Gefahr eines Brandes oder elektrischen Schlages. Es dürfen keine mit Flüssigkeiten gefüllten Gegenstände wie Vasen auf dem Gerät abgestellt werden.

● **Attention:**
Pour éviter un incendie ou une secousse électrique, mettre l'appareil à l'abri de l'eau (éclaboussure, goutte). Ne pas poser sur l'appareil un récipient contenant du liquide.

● **Advertencia:**
Para evitar incendios y descargas eléctricas, no exponga el aparato a goteo o salpicadura de líquidos. No deberán ponerse encima del aparato objetos que estén llenos de líquido, como por ejemplo un florero.

● **Varning:**
Utsätt inte enheten för dropp eller stänk för att förhindra brand eller elektriska stötar. Inga vätskefyllda föremål såsom vaser får placeras på enheten.

● **Attenzione:**
Per prevenire incendi o scosse elettriche, non fare gocciolare nessun liquido sull'apparecchio e non bagnarlo. Non collocarvi sopra nessun oggetto riempito d'acqua, come per esempio vasi.

● **Waarschuwing:**
Stel het toestel niet bloot aan druipend of spattend water om brand en elektrische schokken te voorkomen. Met vloeistoffen gevulde voorwerpen, zoals vazen, mogen niet op het toestel geplaatst worden.

● **Cuidado:**
Para evitar incêndio ou choque elétrico, não exponha este aparelho a gotejamento ou salpicamento de água. Não coloque objetos com água como, por exemplo, um vaso de flores, em cima do aparelho.

● **Warning:**
To prevent fire or shock hazard, do not expose this appliance to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

- **Advarsel:**
  Til at forbygge ild og stød risiko, lad vaere med at undsaette denne indretning for drypning eller overstaenkning. Der må ikke anbringes nogen genstande fyldt med vand, som for eksempel vaser, på dette apparat.

- **Advarsel:**
  For å unngå brann eller kortslutning, utsett ikke produktet for vann eller fuktighet. Gjenstander som inneholder vaeske, feks. en blomstervase, må ikke plasseres oppå apparatet.

- **Varoitus:**
  Älä vie laitetta sateeseen tai kosteisiin tiloihin. Jos laite on kostunut, anna sen kuivua ennen kuin käytät sitä verkkovirralla. Nestettä sisältäviä astioita kuten esim. kukkamaljakoita ei saa asettaa laitteen päälle.

PŘÍSTROJ NEVYSTAVUJTE KAPAJÍCÍ NEBO STŘÍKAJÍCÍ VODĚ.

PRÍSTROJ NEVYSTAVUJTE KVAPKAJÚCEJ ALEBO STRIEKAJÚCEJ VODE.

Urządzenie należy chronić przed zalaniem i wilgocią.

- Dieses Produkt ist ein Laserprodukt der Klasse 1.
- Ce produit est classifié comme étant un LASER DE CLASSE 1.
- Este producto está clasificado como un PRODUCTO LÁSER DE CLASE 1.
- Denna produkt klassificeras som KLASS 1 LASERPRODUKT.
- Questo prodotto è classificato come CLASS 1 LASER PRODUCT.
- Dit product is geclassificeerd als een KLASSE 1 LASER PRODUCT.
- Este produto é classificado como PRODUTO LASER DE CLASSE 1.
- This product is classified as a CLASS 1 LASER PRODUCT.

- Dette produktet er klassifisert som et KLASSE 1 LASERPRODUKT.
- Dette produkt er klassificeret som et KLASSE 1 LASERPRODUKT.
- Tämä laite on luokiteltu LUOKAN 1 LASERLAITTEEKSI.
- Denna produkt klassificeras som KLASS 1 LASERAPPARAT.
- Tento výrobek je klasifikován jako LASEROVÝ VÝROBEK TŘÍDY 1.
- Tento výrobok je klasifikovaný ako LASEROVÝ VÝROBOK TRIEDY 1.

● **VORSICHT**
Verwendung von Regelungen oder Einstellungen bzw. Durchführung von anderen Verfahren als die hierin angegebenen kann zum Aussetzen gefährlicher Strahlung führen.

Da der in diesem Gerät verwendete Laserstrahl für die Augen schädlich ist, ist das Gehäuse unter keinen Umständen zu zerlegen. Wenden Sie sich für Wartungsarbeiten nur an berechtigten Fachhändler.

● **ATTENTION**
Respecter les indications données relatives à la manipulation, au réglage et au fonctionnement. En cas de non-respect, on s'exposera à une radiation dangereuse.

Éviter absolument de démonter l'appareil, qui utilise un rayon laser nuisible aux yeux. Pour toute réparation, s'adresser à une personne qualifiée.

● **PRECAUCIÓN**
El uso de los controles, ajustes o ejecución de procedimientos distintos de los especificados podría causar la exposición a radiación peligrosa.

No intente desmontar la caja ya que el haz de láser usado en este aparato es perjudicial para los ojos. Para el servicio de reparación, consulte a una persona cualificada.

● **OBSERVERA**
Användning av reglage eller justeringar eller handhavande på annat sätt än som anges kan leda till farlig bestrålning.

Försök inte ta isär höljet eftersom enhetens laserstråle är skadlig för ögonen. Överlåt service endast till kvalificerad personal.

● **ATTENZIONE**
L'uso dei comandi e l'effettuazione di regolazioni e procedimenti diversi da quelli specificati nel manuale possono provocare una pericolosa esposizione alle radiazioni.

Poiché il raggio laser usato in questo apparecchio può danneggiare gli occhi, non smontare l'apparecchio. Per le riparazioni rivolgersi a personale specializzato.

● **LET OP**
Gebruik van regelaars, het maken van instellingen, gebruik of handelingen anders dan in deze gebruiksaanwijzing vermeld, kan gevaarlijke straling blootleggen.

De laserstraal in dit toestel kan de ogen beschadigen, Probeer derhalve de ombouw niet te verwijderen. Laat reparaties alleen over aan erkend onderhoudspersoneel.

● **CUIDADO**
O uso de controles, ajustes ou a execução de procedimentos além daqueles especificados aqui pode resultar em perigosa exposição à radiação.

Como os raios laser usados nesta unidade são perigosos para os olhos, não tente desmontar o aparelho. Solicite o conserto somente para pessoas especializadas.

● **CAUTION**
Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

As the laser beam used in this unit is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

VÝSTRAHA: VÝROBEK JE VYBAVEN LASEREM. PŘI NESPRÁVNÉ MANIPULACI S PŘÍSTROJEM V ROZPORU S TÍMTO NÁVODEM MŮŽE DOJÍT K NEBEZPEČNÉMU OZÁŘENÍ. NEOTVÍREJTE A NESNÍMEJTE PROTO ŽÁDNÉ KRYTY A PŘÍSTROJ NEOPRAVUJTE. OPRAVU A SERVIS SVĚŘTE ODBORNÉMU SERVISU.

VÝSTRAHA: VÝROBOK JE VYBAVENÝ LASEROM. PRI NESPRÁVNOM MANIPULOVANÍ S PRÍSTROJOM V ROZPORE S TÝMTO NÁVODOM MÔŽE DÔJSŤ K NEBEZPEČNÉMU OŽIARENIU. NEODKRÝVAJTE PRETO ŽIADNE KRYTY A PRÍSTROJ NEOPRAVUJTE. OPRAVU A SERVIS PRENECHAJTE ODBORNÉMU SERVISU.

Eigenschaften der Laserdiode
Material: AlGaAs/AlGaInP
Wellenlänge: 785 nm/650 nm
Emissionsdauer: kontinuierlich
Laser-Ausgang: max. 0,6 mW

Caractéristiques de la diode laser
Matière: AlGaAs/AlGaInP
Longueur d'onde: 785 nm/650 nm
Durée d'émission: ininterrompue
Puissance de sortie
laser maximale: 0,6 mW

Características del diodo láser
Material: AlGaAs/AlGaInP
Longitud de onda: 785 nm/650 nm
Duración de emisión : continua
Salida de láser: máx. 0,6 mW

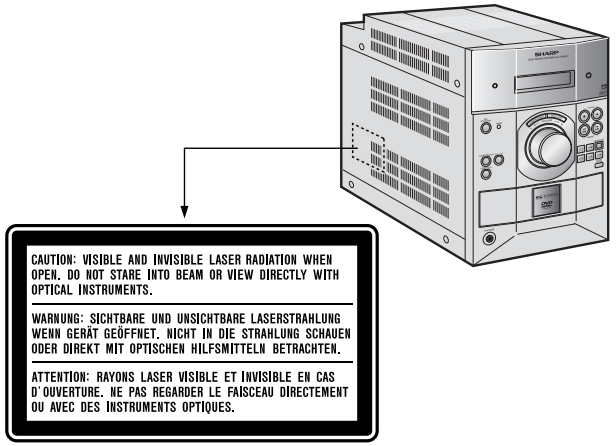
Laserdiodens egenskaper
Material: AlGaAs/AlGaInP
Våglängd: 785 nm/650 nm
Utstrålningsvaraktighet: kontinuerlig
Lasereffekt: max. 0,6 mW

Proprietà del diodo laser
Materiale: AlGaAs/AlGaInP
Lunghezza d'onda: 785 nm/650 nm
Durata di emissione: continua
Uscita massima del laser: 0,6 mW

Laser diode specificaties
Materiaal: AlGaAs/AlGaInP
Golflengte: 785 nm/650 nm
Stralingsduur: doorlopend
Laseruitgang: max. 0,6 mW

Propriedades do diodo de laser
Material: AlGaAs/AlGaInP
Comprimento de onda: 785 nm/650 nm
Duração da emissão: contínua
Saída de laser: máx. 0,6 mW

Laser Diode Properties
Material: AlGaAs/AlGaInP
Wavelength: 785 nm/650 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW


CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
WARNUNG: SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG WENN GERÄT GEÖFFNET. NICHT IN DIE STRAHLUNG SCHAUEN ODER DIREKT MIT OPTISCHEN HILFSMITTELN BETRACHTEN.
ATTENTION: RAYONS LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. NE PAS REGARDER LE FAISCEAU DIRECTEMENT OU AVEC DES INSTRUMENTS OPTIQUES.

ADVERSEL-SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN-HELLER IKKE MED OPTISKE INSTRUMENTER.

VARO! AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.

VARNING-SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN GENOM OPTISKT INSTRUMENT.

VAROITUS! LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

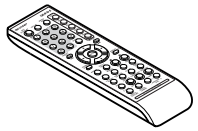
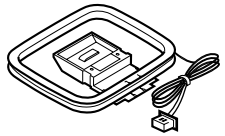
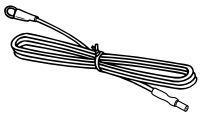
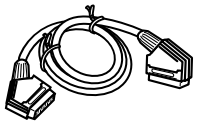
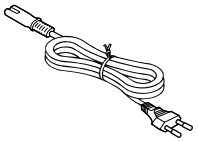
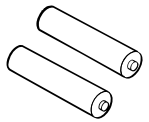
VARNING - OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERAS. KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASER-STRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

Introduction

Thank you for purchasing this SHARP product. To obtain the best performance from this product, please read this manual carefully. It will guide you in operating your SHARP product.

Accessories

Please confirm that the following accessories are included.

 **Remote control × 1**	 **AM loop aerial × 1**
 **FM aerial × 1**	 **SCART cable × 1**
 **AC power lead × 1**	 **"AA" size battery (UM/SUM-3, R6, HP-7 or similar) × 2**

Note:
Only the above accessories are included.

Special notes

"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Copyright Information:

- Unauthorised copying, broadcast, public display, transmission, public performance and rental (regardless of whether or not such activities are for profit) of disc contents are prohibited by law.
- This system is equipped with copy protection technology that causes substantial degradation of images when the contents of a disc are copied to a videotape.

Copy Protection:
This unit supports Macrovision copy protection.
On DVD discs that include a copy protection code, if the contents of the DVD disc are copied using a VCR, the copy protection code prevents the videotape copy from playing normally.

Apparatus Claims of U.S.Patent Nos. 4,631,603, 4,577,216, 4,819,098 and 4,907,093 licensed for limited viewing uses only.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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Icons used in this operation manual
Some functions may not be available depending on discs. The following icons indicate the discs that can be used in the section.
DVD ... Indicates DVDs.
VCD ... Indicates video CDs.
CD ... Indicates audio CDs.
MP3 ... Indicates CD-R/RW with MP3 recording.
JPEG ... Indicates CD-R/RW with JPEG recording.

- Some operations may not be performed depending on discs even if they are described in this manual.
- During operation, "⃠" may be displayed on the screen. This means that the operations described in this manual are prohibited by the disc.

04/3/19 XL-DV50H(H)_E.fm TINSZA007SJZZ

Types of playable discs

The unit can play back discs bearing any of the following marks:

Disc type	Disc contents	Disc size
DVD Video Disc Or DVD-R/DVD-RW/DVD+R/DVD+RW recorded in video mode (*1)	Audio and video (movies)	12 cm (5") 8 cm (3")
Video CD 	Audio and video (movies)	12 cm (5") 8 cm (3")
Audio CD Or CDV (*2)	Audio	12 cm (5") 8 cm (3")
CD-R/CD-RW (*3) 	Audio and picture CD-R/CD-RW recorded in MP3 format (*4), JPEG format (*5)	12 cm (5") 8 cm (3")

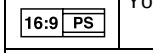
(*1): Discs including DVD-R/DVD-RW/DVD+R/DVD+RW may not be played back due to properties and scratches on the disc, dirty optical pickup lens, etc.
(*2): Only the audio on the CDV can be played.
(*3): The CD-R/CD-RW may not be played back properly depending on the recording equipment or the disc.
(*4): If the sampling frequency is 44.1 or 48.1 kHz and the fixed bit rate is 128 kbps or higher, MPEG 1 Audio Layer 3 (MP3) files can be played. However, some of them may not be played depending on their conditions or formats.
(*5): JPEG or JPG picture discs also play on this unit. However, pictures may not be clear (depends on resolution and recording method).

● For unplayable discs, see page 5.

Description of discs

■ Icons used on DVD discs

Check the icons on the DVD case before playing your discs.

Display	Description
Region number (playable area number) 	DVD discs are programmed with region numbers indicating countries in which they can be played. This system can play discs with region number "2" or "ALL".
Format recorded on the DVD	To adopt the video format to the connected TVs ("wide-screen TV" or "4:3 size TV").
	Recorded in 4:3.
	You can enjoy wide images on a wide-screen TV, and letterbox size images on the 4:3 size TV.
	You can enjoy wide images on a wide-screen TV and 4:3 images with the side edges cut on the 4:3 size TV.
Type of subtitles recorded Example: 1: English 2: French	Recorded subtitle languages. Language can be selected with the SUB TITLE/SURROUND button.
Number of camera angles 	Number of angles recorded on the DVD. Angles can be selected with the ANGLE button.
Number of audio tracks and audio recording systems Example: 1: Original <English> (Dolby Digital 5.1 Surround) 2: English (Dolby Digital 2 Surround)	The number of audio tracks and audio recording systems are indicated. ● The audio recorded on the DVD can be switched by using the ZOOM/AUDIO button. ● The number of audio tracks and recording systems vary depending on the DVD. Check them in the DVD's manual.

Description of discs (continued)

■ Discs that cannot be played

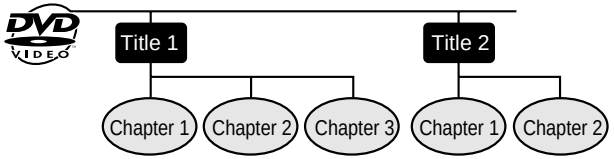
- DVDs without the region number "2" or "ALL".
- DVDs with SECAM system
- DVDs with MPEG sound
- DVD-ROM
- DVD-RAM
- DVD-Audio
- CDG
- Photo CD
- CD-ROM
- SACD
- Discs recorded in special formats, etc.

- The discs above cannot be played at all, or no sound is heard although images appear on the screen or vice versa.
- Faulty playback may damage the speakers and can have an adverse effect on your hearing when played at high volume settings.
- You cannot play illegally produced discs.

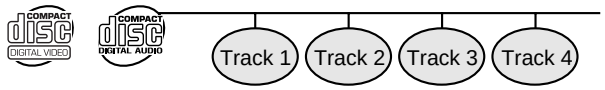
Notes:
- A disc with scratches or fingerprints may not play properly. Refer to "Care of discs (page 55)" and clean the disc.
- Do not play the discs of special shapes (heart or octagon shaped) as they can be ejected whilst rotating and cause injury.

■ Title, chapter and track

DVDs are divided into "titles" and "chapters". If the disc has more than one movie on it, each movie is a separate "title". "Chapters" are subdivisions of titles.

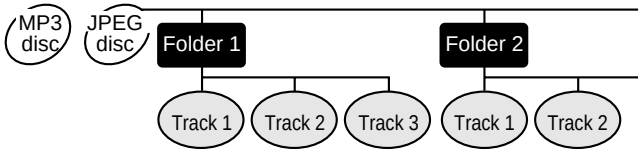


Video CD and audio CD are composed of "tracks". Tracks are equivalent to songs on a CD.



Note:
Title, chapter, or track numbers may not be recorded on some discs.

MP3, JPEG discs consist of "folders" and "tracks".



The list below shows the countries covered by region number 2.

Common names	Names of nations and areas
Albania	Republic of Albania
Andorra	Principality of Andorra
Austria	Republic of Austria
Bahrain	State of Bahrain
Belgium	Kingdom of Belgium
Bosnia and Herzegovina	Bosnia and Herzegovina
Bulgaria	Republic of Bulgaria
Channel Islands	*Channel Islands
Croatia	Republic of Croatia
Cyprus	Republic of Cyprus
Czech	The Czech Republic
Denmark	Kingdom of Denmark
Egypt	Arab Republic of Egypt
Faeroe Islands	*Faeroe Islands
Finland	Republic of Finland
France	French Republic
Germany	Federal Republic of Germany
Gibraltar	*Gibraltar
Greece	Hellenic Republic
Greenland	*Greenland
Hungary	Republic of Hungary
Iceland	Republic of Iceland
Iran	Islamic Republic of Iran
Iraq	Republic of Iraq
Ireland	Ireland
Isle of Man	*Isle of Man
Israel	State of Israel
Italy	Italian Republic
Japan	Japan
Jordan	Hashemite Kingdom of Jordan
Kuwait	State of Kuwait

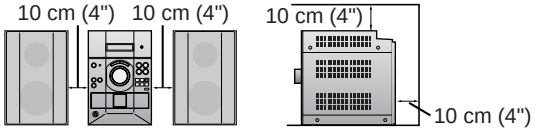
Common names	Names of nations and areas
Lebanon	Republic of Lebanon
Lesotho	Kingdom of Lesotho
Liechtenstein	Principality of Liechtenstein
Luxembourg	Grand Duchy of Luxembourg
Macedonia	Republic of Macedonia
Malta	Republic of Malta
Monaco	Principality of Monaco
Netherlands	Kingdom of the Netherlands
Norway	Kingdom of Norway
Oman	Sultanate of Oman
Poland	Republic of Poland
Portugal	Portuguese Republic
Qatar	State of Qatar
Romania	Romania
San Marino	Republic of San Marino
Saudi Arabia	Kingdom of Saudi Arabia
Slovakia	The Slovak Republic
Slovenia	Republic of Slovenia
South Africa	Republic of South Africa
Spain	Kingdom of Spain
Svalbard and Jan Mayen Islands	*Svalbard and Jan Mayen Islands
Swaziland	Kingdom of Swaziland
Sweden	Kingdom of Sweden
Switzerland	Swiss Confederation
Syrian Arab Republic	Syrian Arab Republic
Turkey	Republic of Turkey
United Arab Emirates	United Arab Emirates
United Kingdom	United Kingdom of Great Britain and Northern Ireland
Vatican City State	State of the City of Vatican
Yemen	Republic of Yemen
Yugoslavia	Federal Republic of Yugoslavia

* represents area name.

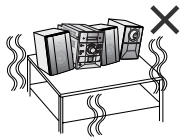
Precautions

■ General

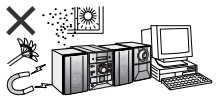
- Please ensure that the equipment is positioned in a well ventilated area and ensure that there is at least 10 cm (4") of free space along the sides, top and back of the equipment.



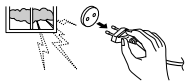
- Use the unit on a firm, level surface free from vibration.



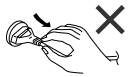
- Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generate electrical noise.



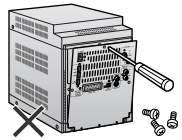
- Do not place anything on top of the unit.
- Do not expose the unit to moisture, to temperatures higher than 60°C (140°F) or to extremely low temperatures.
- If your system does not work properly, disconnect the AC power lead from the wall socket. Plug the AC power lead back in, and then turn on your system.
- In case of an electrical storm, unplug the unit for safety.



- Hold the AC power plug by the head when removing it from the wall socket, as pulling the lead can damage internal wires.



- **Do not remove the outer cover, as this may result in electric shock. Refer internal service to your local SHARP service facility.**



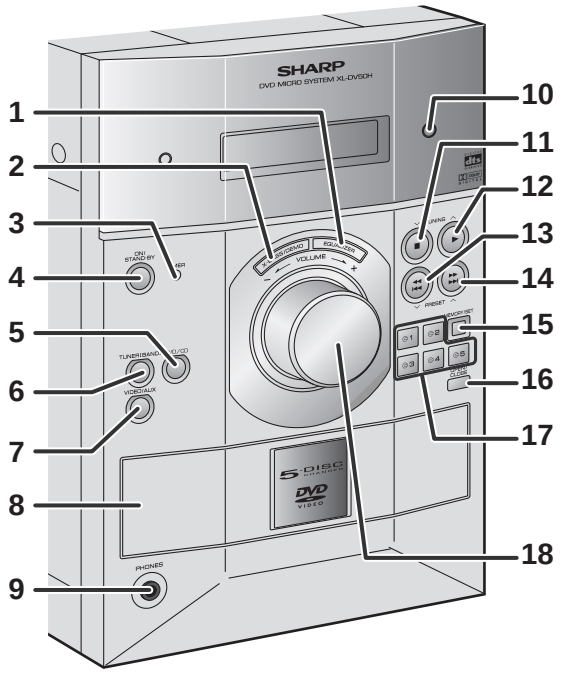
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal.
- The apparatus is designed for use in moderate climate.
- This unit should only be used within the range of 5°C - 35°C (41°F - 95°F).

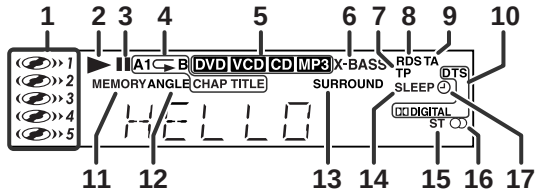
Warning:
The voltage used must be the same as that specified on this unit. Using this product with a higher voltage other than that which is specified is dangerous and may result in a fire or other type of accident causing damage. SHARP will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified.

■ Volume control

The sound level at a given volume setting depends on speaker efficiency, location, and various other factors. It is advisable to avoid exposure to high volume levels. Do not turn the volume on to full at switch on and listen to music at moderate levels.

Controls and indicators





■ Front panel

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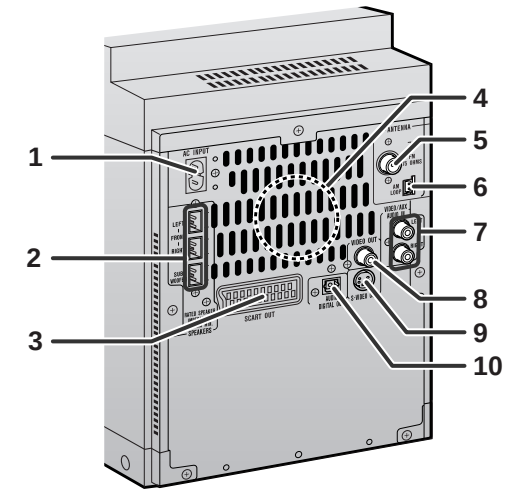
17. Timer Play Indicator 50

Controls and indicators (continued)



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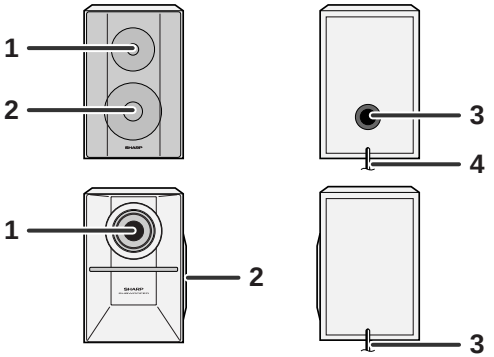
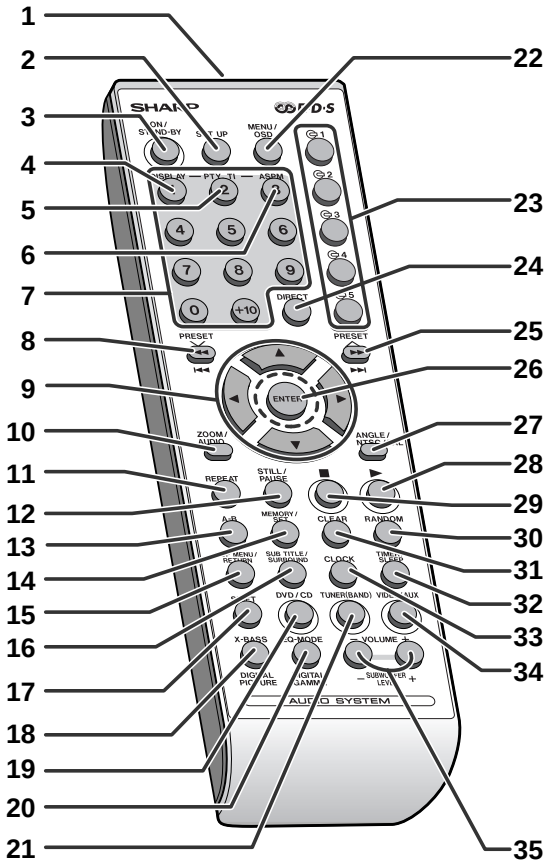


■ Front speaker

1. Tweeter
2. Woofer
3. Bass Reflex Duct
4. Speaker Wire

■ Subwoofer

1. Sub Duct Pipe
2. Subwoofer
3. Speaker Wire



■ Remote control

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33. Clock Button	18
34. Video/Auxiliary Button	52
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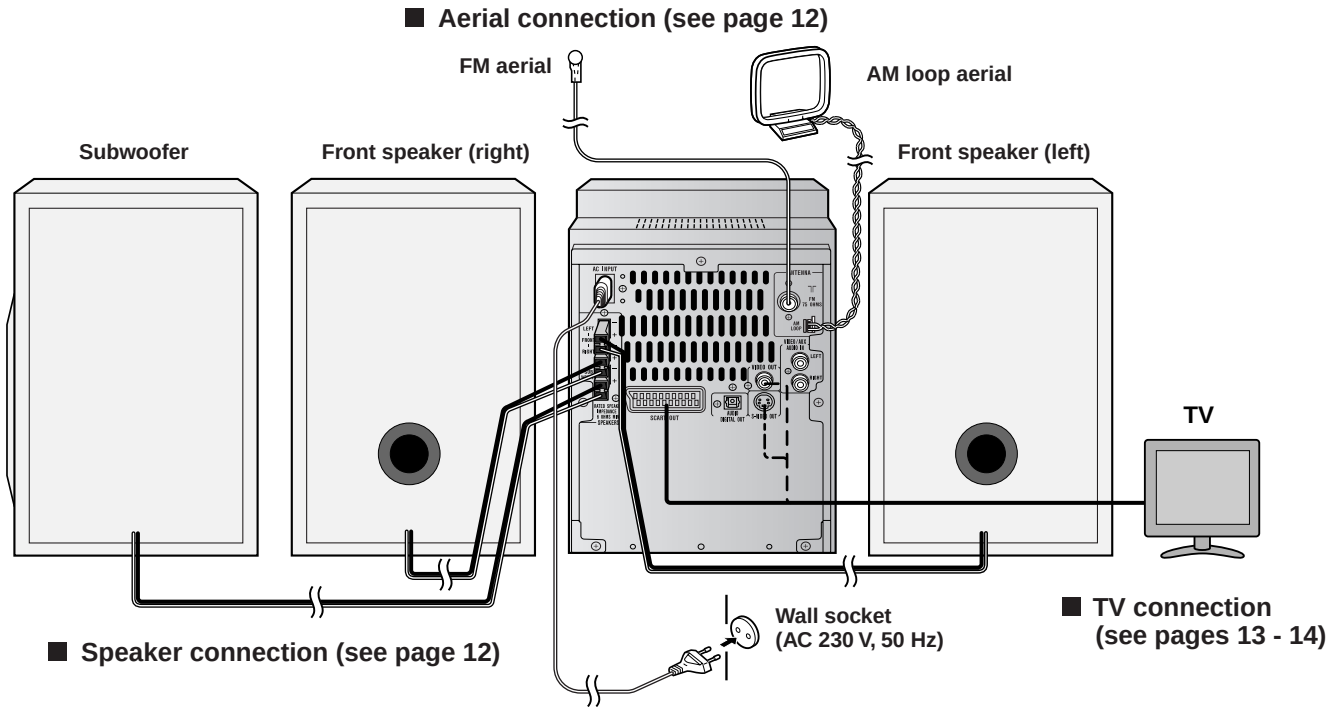
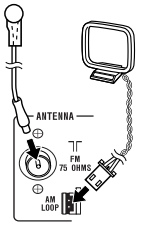
System connections

Make sure to unplug the AC power lead before any connections.



■ Aerial connection

Supplied FM aerial:
Connect the FM aerial wire to the FM 75 OHMS socket and position the FM aerial wire in the direction where the strongest signal can be received.

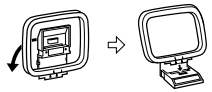


Supplied AM loop aerial:
Connect the AM loop aerial to the AM LOOP socket. Position the AM loop aerial for optimum reception. Place the AM loop aerial on a shelf, etc., or attach it to a stand or a wall with screws (not supplied).

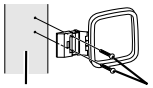
Note:
Placing the aerial on the stereo system or near the AC power lead may cause noise pickup. Place the aerial away from the stereo system for better reception.

Installing the AM loop aerial:

< Assembling >

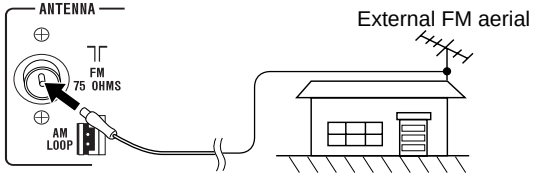


< Attaching to the wall >



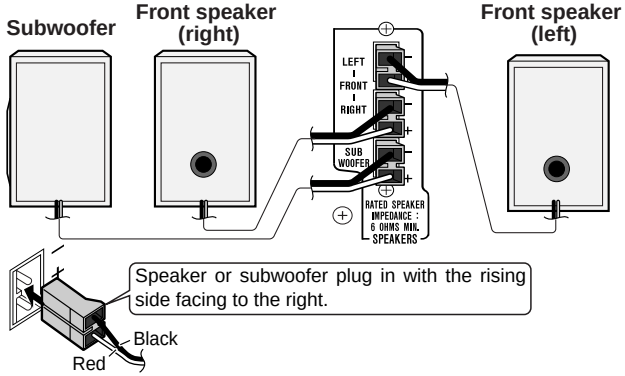
Wall Screws (not supplied)

External FM aerial:
Use an external FM aerial if you require better reception. Consult your dealer.



■ Speaker connection

Insert the front speaker plugs (black) into the FRONT terminals.
Insert the subwoofer plug (red) into the SUBWOOFER terminal.



Caution:

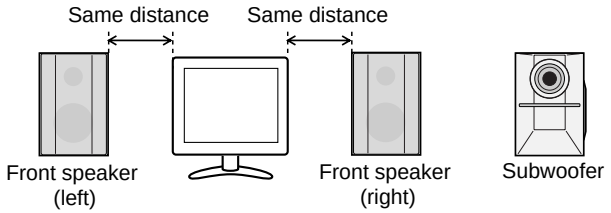
- **The supplied speakers are exclusively for XL-DV50H. Do not connect them to other equipment, and do not connect other speakers to XL-DV50H. It may cause malfunction.**
- Use speakers with an impedance of 6 ohms or more, as lower impedance speakers can damage the unit.
- Do not mistake the right and the left channels. The right speaker is the one on the right side when you face the unit.
- Do not allow any objects to fall into or to be placed in the bass reflex ducts.
- Do not stand or sit on the speakers. You may be injured.

■ Front speaker grills are removable

Make sure nothing comes into contact with the speaker diaphragm when you remove the speaker grilles.

System connections (continued)

■ Placing the speaker system



Notes:

- Place the TV halfway between the front speakers.
- The bass sound from the subwoofer is omni-directional, however, it is recommended to place it as close as left and right speakers.
- The subwoofer vibrates whilst reproducing bass. Place it on a stable sturdy surface.
- Keep the free space of at least 10 cm (4") along the right side of the subwoofer.

■ Magnetically shielded speakers

The speakers are magnetically shielded.
Therefore, they do not affect the display even you use them near the TV. However, some colour variation may occur, depending on the type of TV used.

If colour variation occurs...
Turn off the TV (from the power switch).
After 15 - 30 minutes, turn the TV on again.

If the colour variation is still present...
Move the speakers further away from the TV.

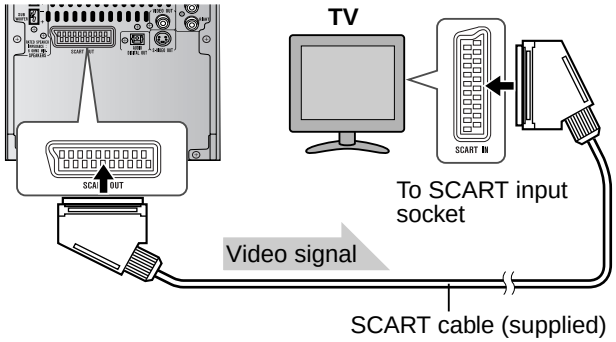
If any kind of magnet or an electromagnet is placed too close to the TV and the system, irregular colours may appear on the TV screen.

■ TV connection

Three types of sockets (SCART OUT, S-VIDEO OUT and VIDEO OUT) are available for connection of a TV and this unit. Connect according to your TV.

Connecting to a TV with SCART socket:
You can enjoy DVD images by connecting your TV and this unit with the supplied SCART cable.

Set the video output mode to "SCART" (default setting). For the procedure, refer to "Changing the initial setting of DVD" on pages 43, 45.



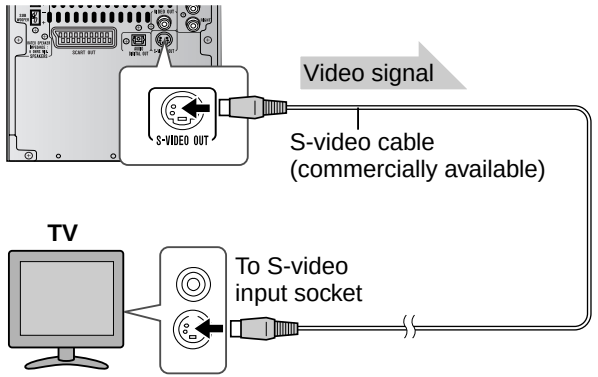
Change the input mode on the TV accordingly.
Press the SHIFT button and ANGLE/NTSC/PAL button on the remote control.
Each time these buttons are pressed, the mode will change in the following order:

PAL → NTSC → PAL

PAL: Select this mode for the PAL TV.
NTSC: Select this mode for the NTSC TV.

Connecting to a TV with an S-video input socket:
If your TV is equipped with an S-video input socket, you can enjoy higher quality images by connecting it with an S-video cable (not supplied).

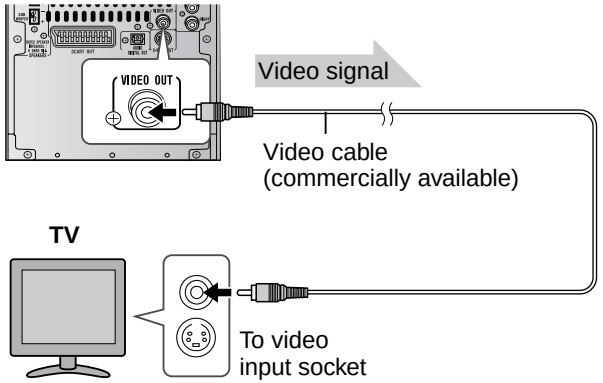
Set the video output mode to "S-Video". For the procedure, refer to "Changing the initial setting of DVD" on pages 43, 45.



Note:
When the video and S-video cables are both connected, the images from the S-video input socket appears on your TV.

Connecting to a TV with a video input socket:
If your TV is equipped only with a video input socket (without SCART), connect a video cable (not supplied) to enjoy images.

Set the video output mode to "S-Video". For the procedure, refer to "Changing the initial setting of DVD" on pages 43, 45.

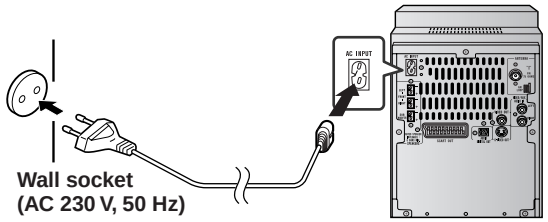


Notes:
- Change the TV input in accordance with the connected socket.
- Do not connect other equipment (VCR, etc.) between the TV and this unit. Pictures may be distorted.
- Refer to the operation manual of the equipment to be connected.
- Insert the plugs fully to avoid fuzzy pictures or noise.

System connections (continued)

■ Connecting the AC power lead

After checking all the connections have been made correctly, connect the AC power lead to the AC power input socket, then plug the AC power lead of this unit into the wall socket. If you plug in the unit first, the unit will enter the demonstration mode.

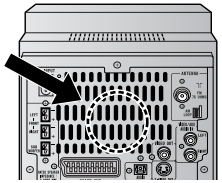


Notes:

- Never use a power lead other than the one supplied. Otherwise, a malfunction or an accident may occur.
- Unplug the AC power lead from the wall socket if the unit will not be in use for a prolonged period of time.

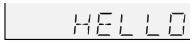
Cooling fan:

A cooling fan is built into this unit for better heat radiation. Do not cover the opening in this section with any obstacles to avoid damage to the unit.



■ Demonstration mode

The first time the unit is plugged in, the unit will enter the demonstration mode. You will see words scroll.



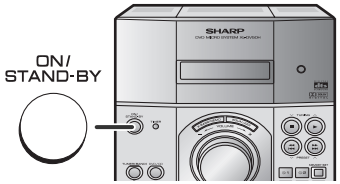
To cancel the demonstration mode:
When the unit is in the power stand-by mode (demonstration mode), press the X-BASS/DEMO button. The unit will enter the low power consumption mode.

To return to the demonstration mode:
When the unit is in the power stand-by mode, press the X-BASS/DEMO button again.

Note:
When the power is on, the X-BASS/DEMO button can be used to select the extra bass mode.

■ To turn the power on

Press the ON/STAND-BY button to turn the power on.



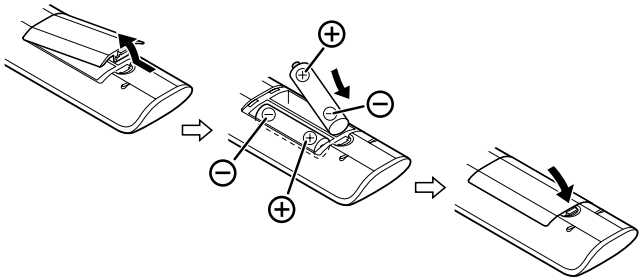
After use:

Press the ON/STAND-BY button to enter the power stand-by mode.

Remote control

■ Battery installation

1 Remove the battery cover.
2 Insert the supplied batteries according to the direction indicated in the battery compartment.
When inserting or removing the batteries, push them towards the ⊖ battery terminals.
3 Replace the cover.



Precautions for battery use:
- Replace all old batteries with new ones at the same time.
- Do not mix old and new batteries.
- Remove the batteries if the unit is not to be used for long periods of time. This will prevent potential damage due to battery leakage.

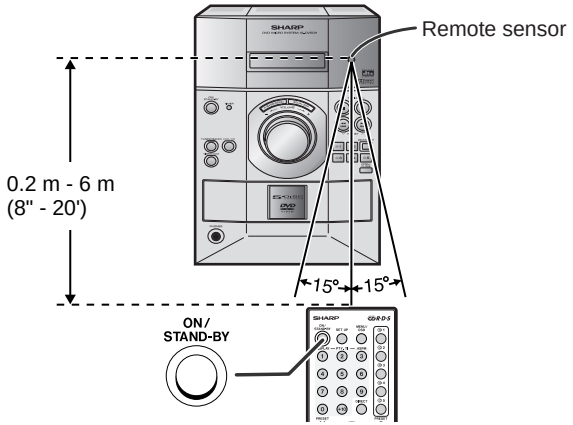
Caution:
- Do not use rechargeable batteries (nickel-cadmium battery, etc.).
- Installing the batteries incorrectly may cause the unit to malfunction.

Notes concerning use:
- Replace the batteries if the operating distance is reduced or if the operation becomes erratic. Purchase 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar).
- Periodically clean the transmitter on the remote control and the sensor on the unit with a soft cloth.
- Exposing the sensor on the unit to strong light may interfere with operation. Change the lighting or the direction of the unit if this occurs.
- Keep the remote control away from moisture, heat, shock, and vibrations.

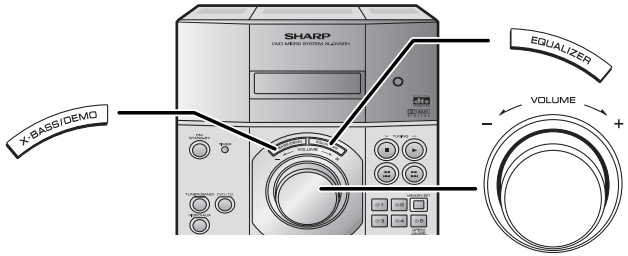
■ Test of the remote control

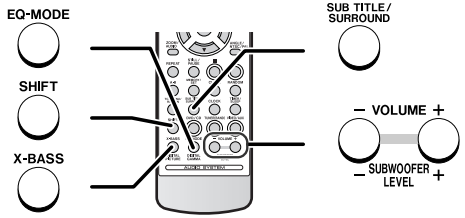
Check the remote control after checking all the connections (see pages 11 - 15).
Point the remote control directly at the remote sensor on the unit.

The remote control can be used within the range shown below:
Press the ON/STAND-BY button. Does the power turn on? Now, you can enjoy music.



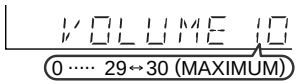
General control





■ Volume control

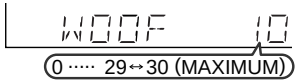
Main unit operation:
When the VOLUME control is turned clockwise, the volume will increase. When it is turned anti-clockwise, the volume will decrease.



Remote control operation:
Press the VOLUME (+ or -) button to increase or decrease the volume.

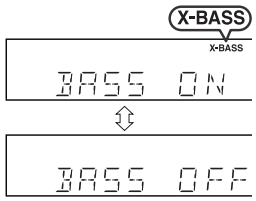
■ Subwoower volume control

Press the SHIFT button on the remote control, and adjust the volume.



■ Bass control (X-BASS)

When the power is first turned on, the unit will enter the extra bass mode which emphasises the bass frequencies, and "X-BASS" will appear. To cancel the extra bass mode, press the X-BASS/DEMO (X-BASS) button.



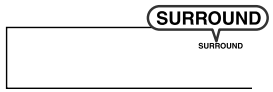
■ Equaliser

When the EQUALIZER (EQ-MODE) button is pressed, the current mode setting will be displayed. To change to a different mode, press the EQUALIZER (EQ-MODE) button repeatedly until the desired sound mode appears.

FLAT	The sound is not modified.
ROCK	Bass and treble are emphasised.
CLASSIC	Treble is cut a little.
POPS	Bass and treble are slightly emphasised.
VOCAL	Vocals (midrange tones) are emphasised.
JAZZ	Treble is slightly emphasised.

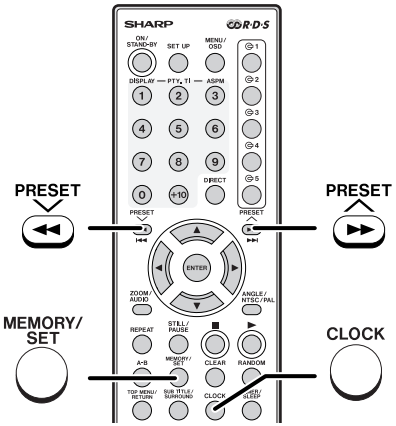
■ Surround

To enter the surround mode, press the SHIFT button and SUB TITLE/ SURROUND button on the remote control. Repeat this operation to exit.



Note:
When the input source is "TUNER" or "AUX", the surround mode is not available.

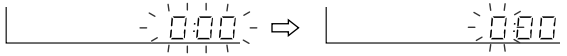
Setting the clock



In this example, the clock is set for the 24-hour (0:00) display.

1 **Press the CLOCK button and within 8 seconds, press the MEMORY/SET button.**

2 **Within 30 seconds, press the PRESET (∨ or ∧) button to select 24-hour or 12-hour display and then press the MEMORY/SET button.**



"0:00" → The 24-hour display will appear.
(0:00 - 23:59)

"AM 12:00" → The 12-hour display will appear.
(AM 12:00 - PM 11:59)

3 **Within 30 seconds, press the PRESET (∨ or ∧) button to adjust the hour and then press the MEMORY/SET button.**

Press the PRESET (∨ or ∧) button once to advance the time by 1 hour. Hold it down to advance continuously.

4 **Within 30 seconds, press the PRESET (∨ or ∧) button to adjust the minutes and then press the MEMORY/SET button.**

Press the PRESET (∨ or ∧) button once to advance the time by 1 minute. Hold it down to advance continuously.

To confirm the time display:

Press the CLOCK button.
The time display will appear for about 8 seconds.

Note:

The "CLOCK" or time will flash at the push of the CLOCK button when the AC power supply is restored after a power failure or unplugging the unit.
Readjust the clock as follows.

To readjust the clock:

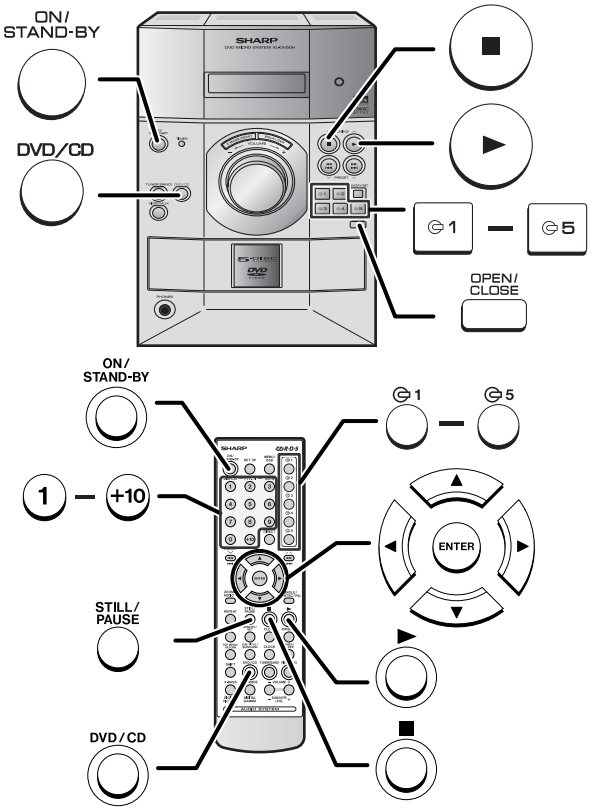
Perform "Setting the clock" from step 1. If the "CLOCK" is not flashing in step 1, step 2 (for selecting the 24-hour or 12-hour display) will be skipped.

To change the 24-hour or 12-hour display:

1 Clear all the programmed contents. [Refer to "Clearing all the memory (reset)" on page 54 for details.]
2 Perform "Setting the clock" from step 1.

Playing a disc

Turn on the TV, and switch the input to the "VIDEO 1" or "VIDEO 2", etc. accordingly.



DVD VCD CD MP3 JPEG

1 **Press the ON/STAND-BY button to turn the power on.**

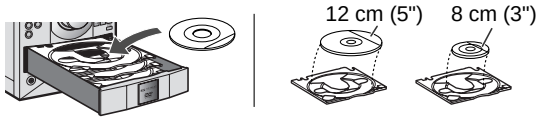
2 **Press the DVD/CD button.**

3 **Press the OPEN/CLOSE button to open the disc compartment.**

All trays open in tiers.

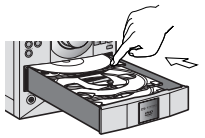
4 **Place the disc on the disc tray 1, label side up.**

Be sure to place 8 cm (3") discs in the middle of the disc trays.



5 **To place discs in the trays 2 - 5**

1. Slide in the tray with a disc toward the unit.

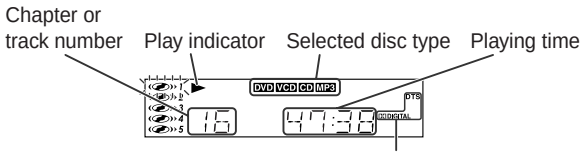


2. Place a disc in an empty tray.

6 **Press the OPEN/CLOSE button to close the disc compartment.**

Discs supporting auto start will start to play once you close the disc tray even if you do not press the ► (play) button.

7 **If playback does not start, press the ► (play) button.**



The sound mode in use appears during DVD playback.

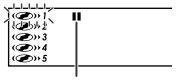
- When playing a DTS on this unit, sound is not heard from the speakers. To listen to the sound, select another audio output in the "To change the audio language (audio output)" on page 27.

When the menu appears on the TV screen:

On DVD, select an item by using the cursor (▲, ▼, ◄ or ►) button and press the ENTER button.

On video CD, select an item by using the direct number buttons.

To interrupt playback:
Press the STILL/PAUSE button on the remote control.
To resume playback from the same point, press the ► (play) button.

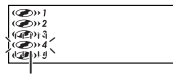


Pause indicator

To stop playback:
DVD:
Press the ■ button twice.

VCD/CD/MP3/JPEG:
Press the ■ button.

To play from a specified disc:
1. Press the ⓒ1 - ⓒ5 button.
2. Press the ► (play) button.

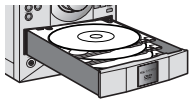


Selected disc number

Note:
If a disc tray with no disc is selected, playback will not start, and only parentheses of the indicator "( )" disappear.

To exchange other discs whilst playing a disc:
Press the OPEN/CLOSE button. When trays open, exchange discs. The tray in use does not open.

To remove the discs:
1. In the stop mode, press the OPEN/CLOSE button.
   All trays open in tiers.



2. Remove the disc in the tray 1.
3. Slide in the tray 1 toward the unit. In the same way, remove discs in the trays 2 - 5.
4. After removing the discs, press the OPEN/CLOSE button again.

Note:
DVD discs cannot be removed in the resume play mode. Press the ■ button and then remove the disc.

Playing a disc (continued)

Caution:
- Do not place two discs in one disc tray.
- Do not play discs with special shapes (heart or octagon shaped) as it may cause malfunctions.
- Do not push the disc compartment whilst it is moving.
- If the power fails whilst the disc compartment is open, wait until the power is restored.
- If the disc compartment is stopped with force, the unit will not function. If this occurs, press the ON/STAND-BY button to enter the power stand-by mode and then turn the power on again.
- If a disc is damaged, dirty, or loaded upside down, the disc will skip or not play.
- When attempting to play discs with scratches or of a different region number, or unplayable or restricted (*1) discs, an error message will appear on the TV display and the disc will not play.

(*1) Viewing is prohibited on some DVDs according to the audience age.

Notes:
- When the unit is turned on, no operation is possible for 10 seconds as the unit is performing the initial setting.
- Stop positions may be recorded on some discs. When you play such a disc, playback stops there.
- During an operation, "⃠" may appear indicating that the operation is disabled by the disc.

■ To resume playback after stopping (resume play) DVD

You can resume playback from the point playback is stopped.

1 Whilst the disc is playing, press the ■ button.

▸■ Pre-Stop

The system stores the point you stopped.

2 To restart play, press the ► (play) button.

► Play

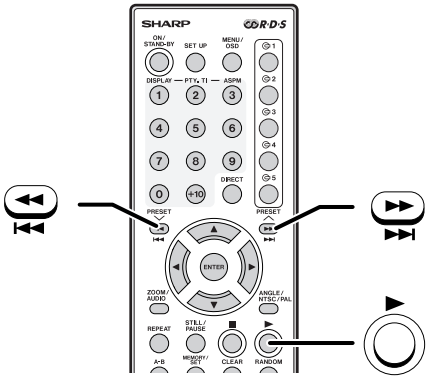
Playback resumes from the point you left off.

To cancel resume play:
Press the ■ button again whilst "▸■ Pre-Stop" is lit.

■ Stop

Notes:
- The resume play feature is disabled on some discs.
- Depending on the disc, playback may resume slightly before the position where it was stopped.

Basic operation



■ To locate the beginning of a chapter/track (skip)

DVD VCD CD MP3 JPEG

You can skip the current chapter (track) to the next or previous.

Whilst a disc is playing, press the ⏮ or ⏭ button.

⏭ Next

- Press the ⏭ button to skip to the next chapter (track).
- Press the ⏮ button to skip to the beginning of the current chapter (track). Press the ⏮ button again to skip to the beginning of the previous chapter (track).

Notes:

- Some discs do not display the chapter (track) and the skip feature is disabled.
- On a DVD, you cannot skip across titles.
- When operating video CD with the P.B.C. function, set the P.B.C. to off (see page 32).

■ Fast forward/Fast reverse (search)

DVD VCD CD MP3

You can search the desired point as you play the disc.

1 Whilst a disc is playing, hold down the ◀◀ or ▶▶ button for 2 seconds or more.

▶▶ Fast Forward 2x

The scanning speed will change as follows at each press of the button.

The speed changed as follows on DVD/video CD/audio CD:

◀◀ Fast Reverse 2x / ▶▶ Fast Forward 2x
↓
◀◀ Fast Reverse 8x / ▶▶ Fast Forward 8x
↓
◀◀ Fast Reverse 30x / ▶▶ Fast Forward 30x
↓
▶ Play / ▶ Play

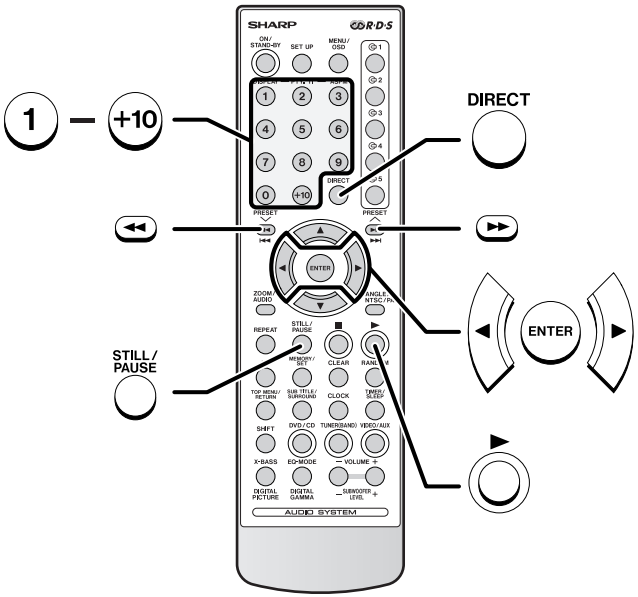
- The speed cannot be changed on MP3 discs.
- The disc is forwarded by the ▶▶ button and reversed by the ◀◀ button.

2 Press the ▶ (play) button to return to the normal playback.

Notes:

- On some discs, the search function is disabled.
- On a DVD, search does not operate across titles.
- Whilst searching on a DVD or video CD, the sound is not heard and the subtitles will not appear.
- When search is performed during the DVD playback, pictures may not be forwarded or reversed in the search speed specified in this manual, depending on the disc or the scene being played.

Basic operation (continued)

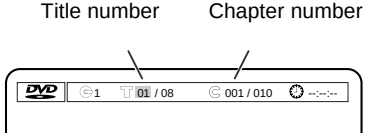


■ To start playback from the desired point (direct play) DVD

To select and play the desired title and chapter:

1 **Whilst in the stop or playback mode, press the DIRECT button.**

2 **Within 10 seconds, select the title or chapter by pressing the cursor (◄ or ►) button and enter the title or chapter number by using the direct number buttons.**



If the title or chapter number is 2 digits or more, press "+10" and enter the number.

Example:

To select chapter 1, press "1".

To select chapter 12, press "+10" and "2".

To select chapter 22, press "+10", "+10" and "2".

3 **Within 10 seconds, press the ENTER button.**

Notes:

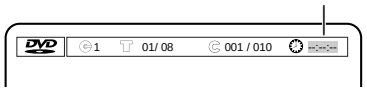
- Direct play feature is disabled on some discs.
- Some discs may not display the chapter number.
- With DVDs, you can specify the desired point only in the current title and not in another title.

To play by specifying time (time search):

1 **Whilst a disc is playing, press the DIRECT button.**

2 **Within 10 seconds, select the time by pressing the cursor (◄ or ►) button and specify the time by using the direct number buttons.**

Time



- To specify 1 hour 23 minutes and 40 seconds, enter "012340".
- If you enter the wrong number, start over from step 1.

3 **Within 10 seconds, press the ENTER button.**

Notes:
- Some discs cannot play from the specified point.
- Time search feature is disabled on some discs.

■ Still picture/Frame advance DVD VCD

You can freeze the image and advance frame by frame.

1 **Whilst a disc is playing, press the STILL/PAUSE button.**

II Pause

Each press of the STILL/PAUSE button advances the frame in the still mode.

2 **Press the ► (play) button to return to the normal playback.**

Note:
Still picture and frame advance features are disabled on some discs.

■ Slow-motion play DVD VCD

You can slow down the playback speed.

1 **Whilst a disc is playing, press the STILL/PAUSE button.**

2 **Hold down the ◄◄ or ►► button for 2 seconds or more.**

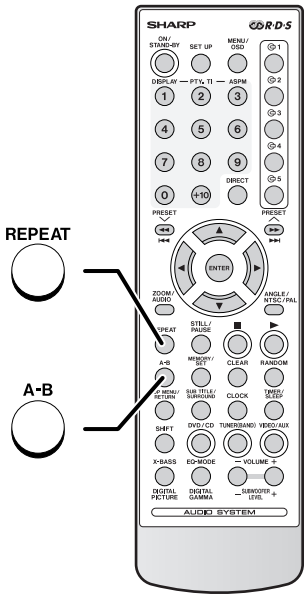
I► Slow Forward

◄I Slow Backward / I► Slow Forward

3 **Press the ► (play) button to return to the normal playback.**

Note:
On some discs, slow-motion play functions are disabled.

Useful features



■ To play repeatedly (repeat play)

DVD VCD CD MP3 JPEG

You can play a chapter (track) or a title repeatedly by specifying it during playback.

1 Whilst the disc is playing, press the REPEAT button.

TV screen **Unit display**

Chapter Repeat on — CHAP

Each time the button is pressed, the repeat play mode changes in the following order.

For DVD, the mode changes as follows:

Chapter Repeat on	, CHAP	Repeats the chapter currently playing.
Title Repeat on	, TITLE	Repeats the title currently playing.
Repeat off	Disappear	The normal playback

For video CD/audio CD, the mode changes as follows:

Track Repeat on	1	Repeats the track currently playing.
Disc Repeat on		Repeats the disc currently playing.
Repeat off	Disappear	The normal playback

For MP3/JPEG discs, the mode changes as follows:

File Rep	1	Repeats the file currently playing. (Only for MP3)
Folder Rep		Repeats the folder (directory) currently playing.
Disc Rep		Repeats the disc currently playing.
Rep off	Disappear	The normal playback

2 Select "Repeat off" by pressing the REPEAT button repeatedly to return to the normal playback.

Caution:
After performing repeat play, be sure to press the ■ button. Otherwise, the disc will play continuously.

Notes:
- Repeat play is not available on some discs.
- If you press another button during the repeat play, the playback may be cancelled.
- Repeat play is not possible during random play.
- When operating video CD with the P.B.C. function, set the P.B.C. to off (see page 32).

■ To play the contents between the specified points repeatedly (A-B repeat) DVD VCD CD

You can play the desired portion repeatedly by specifying it during playback.

1 Whilst the disc is playing, press the A-B button.

TV screen	Unit display
A-B Set A	A ↻

This registers the start point (A).

2 Press the A-B button again.

TV screen	Unit display
A-B Repeat on	A ↻ B

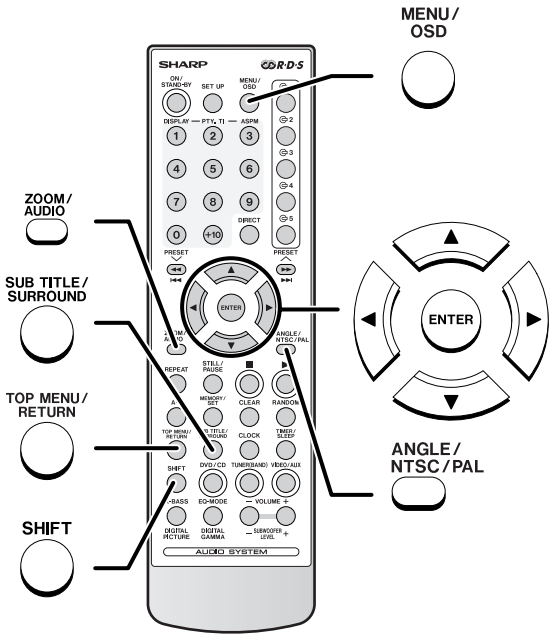
A-B repeat plays from the start point (A) to the end point (B).

3 Press the A-B button to return to the normal playback.

Notes:
- A-B repeat play is disabled on some discs.
- Some scenes in DVD may not allow A-B repeat play.
- A-B repeat play for DVD is possible only within a title.
- A-B repeat play for video CD and audio CD are possible only within a track.

Various settings

The subtitle language and the audio language you select during playback are reset each time you set this unit to the stand-by mode or change the disc. To keep your preferred languages, set them in the initial setting screen (see page 43).



■ To change the audio language (audio output)

DVD VCD CD MP3

During playback, you can change the audio language (audio output).

1 Whilst a disc is playing, press the SHIFT button, and then press the ZOOM/AUDIO button.

Audio language information

Audio 1/3: AC-3 5.1 English

2 Within 3 seconds, press the ZOOM/AUDIO button repeatedly to select the desired audio number.

When playing DVD, the language changes as follows:

Audio 1/3: AC-3 5.1 English → 1: Original <English> (Dolby Digital 5.1 ch Surround)

Audio 2/3: AC-3 2 English → 2: English (Dolby Digital 2 ch Surround)

⋮

When playing video CD, audio CD and MP3, the sound changes as follows:

Mono Left → Mono Right → Stereo

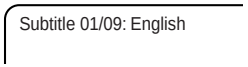
Notes:

- The audio language on some DVDs may not be changed.
- For audio language and audio system, refer to the manual of the disc.
- This unit does not play sound when playing DTS discs. Change the audio language to listen to the sound through the speakers. Only the 2.1 channel sound can be reproduced even if you select other audio languages (Dolby Digital 5.1 channel or Dolby Digital 2 channel, etc.). Alternatively, connect to a DTS digital surround amplifier, etc. to produce the sound from the speakers (see page 52).

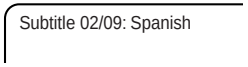
■ To change the subtitle language DVD

You can change the subtitle language or hide subtitles during playback.

1 Whilst the disc is playing, press the SUB TITLE/SURROUND button.



2 Within 3 seconds, press the SUB TITLE/SURROUND button repeatedly to select the desired subtitle language.



Notes:

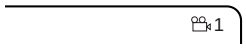
- Some DVDs prohibit changing the subtitle language.
- If no subtitles are recorded on the disc, "⃠" is displayed.
- It may take a little time to switch the subtitle language to the selected one.
- The subtitle cannot be hidden on some DVDs.

■ To change the angle DVD

You can change the angle of view when playing a DVD video disc that contains scenes recorded from multiple angles.

When "" is displayed in the upper right corner of the TV screen, press the ANGLE/NTSC/PAL button repeatedly to select the desired angle number.

TV screen **Unit display**



Notes:

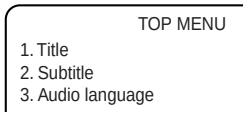
- Some DVDs prohibit changing the angle.
- Refer to the manual of the disc as the operation may vary depending on the disc.

■ To select a title, subtitle or audio language, etc. from the top menu or menu of the disc DVD

You can select a title, subtitle or audio language on your DVD if it has a disc menu.

1 Whilst the disc is stopped or played, press the TOP MENU/ RETURN button to display the top menu or press the MENU/ OSD button to display the menu.

Example



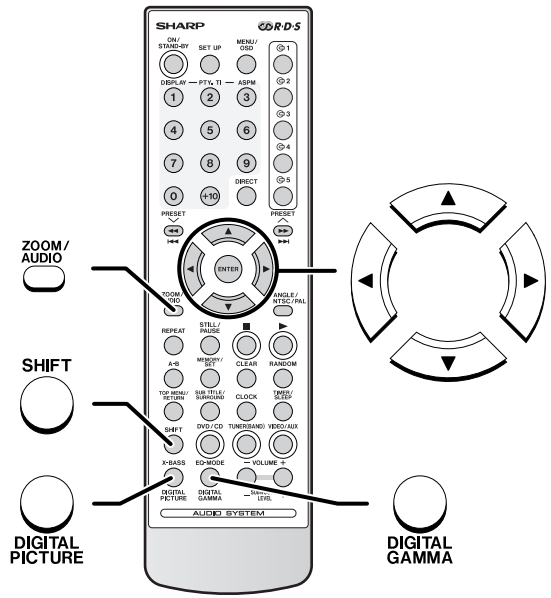
2 Press the cursor (▲, ▼, ◄ or ►) button to change the setting and press the ENTER button.

You can also use the direct number buttons for some discs.

Notes:

- The procedure shown here provides only general steps. The actual procedure for using the title menu depends on the disc you are using. See the disc jacket for details.
- If the disc you are using does not have a title menu, nothing appears on the screen.

Various settings (continued)



■ To zoom in on an image (zoom) DVD VCD

You can magnify images during playback.

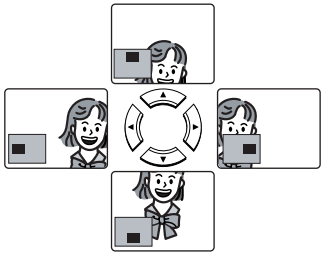
1 Whilst a disc is playing, press the ZOOM/AUDIO button.

Zoom x 1.5

Each press of the ZOOM/AUDIO button cycles through the zoom settings as follows:

Zoom x 1.5 → Zoom x 2 → Zoom x 3 → Zoom off

2 To shift the view and display the desired part of a zoomed image, press the cursor (▲, ▼, ◄ or ►) button repeatedly.

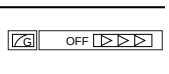


Notes:

- An image may become distorted when zoomed.
- Subtitles cannot be zoomed.
- The position of the current part is indicated in the lower left of the screen.

■ To brighten an image DVD VCD

1 **During playback, press the SHIFT button, and then press the DIGITAL GAMMA button to select "ON".**



"ON" and "OFF" will be switched by each press of these buttons.

2 **Within 10 seconds, press the cursor (◄ or ►) button to set the level.**

3 **To restore the original brightness, select "OFF" by pressing the SHIFT button, and then press the DIGITAL GAMMA button.**

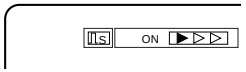
Level	Setting	Level	Setting
OFF ▷ ▷ ▷	Normal image	ON ► ► ▷	Brighter
ON ► ▷ ▷	Slightly brighter	ON ► ► ►	A lot brighter

■ To improve the image quality DVD VCD

1 **During playback, press the SHIFT button, and then press the DIGITAL PICTURE button to select "ON".**

"ON" and "OFF" will be switched by each press of these buttons.

2 **Within 10 seconds, press the cursor (◄ or ►) button to set the level.**



3 **To restore the original picture quality, select "OFF" by pressing the SHIFT button, and then press the DIGITAL PICTURE button.**

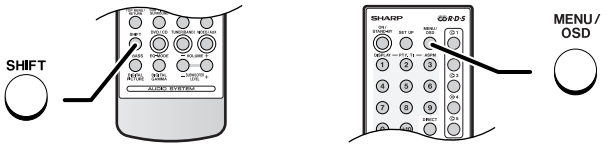
Level	Setting	Level	Setting
OFF ▷ ▷ ▷	Normal	ON ► ► ▷	Clearer
ON ► ▷ ▷	Slightly clearer	ON ► ► ►	A lot clearer

Various settings (continued)

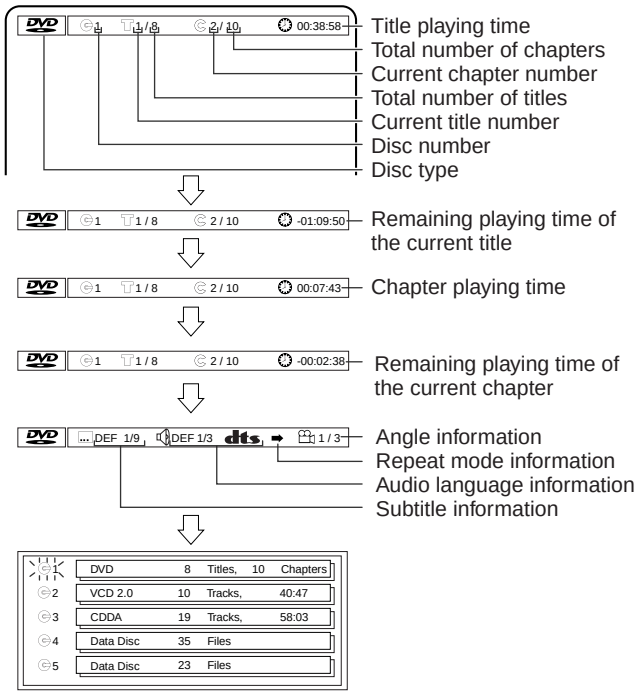
■ To change the display on TV screen

DVD VCD CD

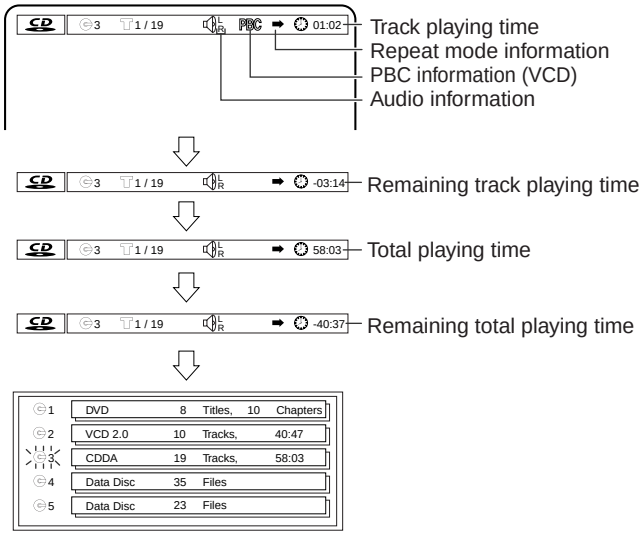
You can display or hide the operation indicators on the TV screen. **Whilst the disc is playing, press the SHIFT button, and then press the MENU/OSD button. (The display is changed at each operation of these two buttons.)**



When playing DVD, the display changes as follows:



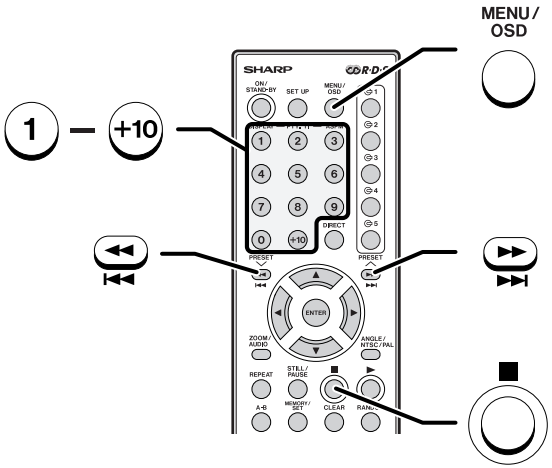
When playing video CD and audio CD, the display changes as follows:



Note:
On video CD, total playing time or remaining total playing time appears when P.B.C is off (see page 32).

Playing a video CD

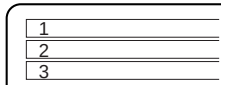
Page
Playing a disc . . . . . 19 - 21
To locate the beginning of a chapter/track (skip) 22
Fast forward/Fast reverse (search) 22
Still picture/Frame advance 24
Slow-motion play 24
To play repeatedly (repeat play) 25, 26
To play the contents between the specified points repeatedly (A-B repeat) 26
To change the audio language (audio output) 27
To zoom in on an image (zoom) 29
To brighten an image 30
To improve the image quality 30
To change the display on TV screen 31
To play in random order (random play) 33
To start playback from the desired point (direct play) 33
To play in the desired order (programmed playback) 34



■ To play a video CD with P. B. C. (playback control) VCD

1 **Load a video CD with P.B.C. The menu will appear on the TV and playback will be paused.**

Example



2 **Select the desired menu number by using the direct number buttons (1 - +10).**

Example:

To select track 14, press "+10" and "4".

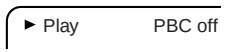
- Playback starts.
- After playback stops, the menu will reappear, then select the menu number you want to play.

To scroll the menu screen (menu screen with more than 1 page):
Press the I◄◄ or ►►I button.

To stop playback:
Press the ■ button.

To play without activating the playback control function:
You can play a video CD with P.B.C. without activating the playback control function.
In this case, the menu screen will not appear, and the disc will play in the same way as a video CD without P.B.C.

Whilst in the stop mode, press the MENU/OSD button to cancel the P.B.C. mode.

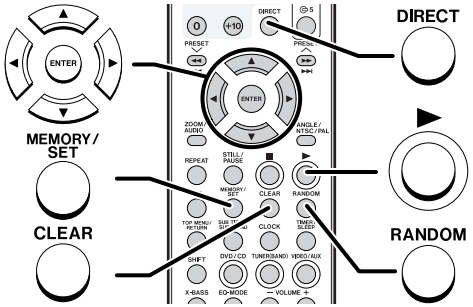


Playback starts.
Each time you press the button, the setting switches on and off.

Note:
Some video CDs with P.B.C. cannot be played back when the P.B.C. mode is off.

Playing an audio CD

Page
Playing a disc . . . . . 19 - 21
To locate the beginning of a chapter/track (skip) 22
Fast forward/Fast reverse (search) 22
To play repeatedly (repeat play) 25, 26
To play the contents between the specified points repeatedly (A-B repeat) 26
To change the audio language (audio output) 27
To change the display on TV screen 31



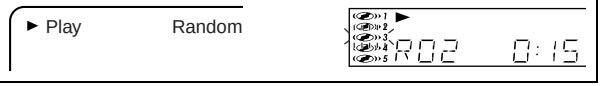
■ To play in random order (random play)

VCD CD MP3

The tracks on the disc can be played in random order automatically.

Whilst in the stop mode, press the RANDOM button.

TV screen **Unit display**



To cancel random play:
Press the ■ button.

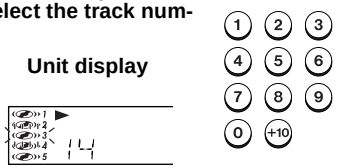
Notes:
- On some discs, this function cannot be used.
- You cannot set the random play whilst in the playback or pause mode.
- When operating video CD with the P.B.C. function, set the P.B.C. to off (see page 32).

■ To start playback from the desired point (direct play)

To select and play the desired track: VCD CD MP3 JPEG

Whilst in the stop or playback mode, press the direct number buttons to select the track number.

TV screen **Unit display**



If the track number is 2 digits or more, press "+ 10" and enter the number.

Example:

To select track 14, press "+10" and "4".

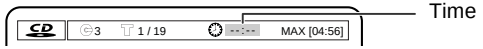
To select track 24, press "+10", "+10" and "4".

Notes:
- Direct play feature is disabled on some discs.
- When operating video CD with the P.B.C. function, set the P.B.C. to off (see page 32).

To play by specifying time (time search): VCD CD

You can play tracks from the desired time point during playback.

1 Whilst the disc is playing, press the DIRECT button.



2 Specify the time with the direct number buttons.
- Enter minutes and seconds.
- To specify 1 hour 23 minutes and 40 seconds, enter "8340".
- If you enter the wrong number, start over from step 1.

3 Within 10 seconds, press the ENTER button.

Note:
Time search feature is disabled on some discs.

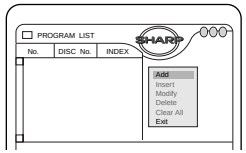
■ To play in the desired order (programmed playback) VCD CD MP3 JPEG

You can play back the desired tracks in the sequence you want.
Maximum of 40 tracks can be programmed.

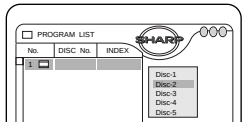
1 **Whilst in the stop mode, press the MEMORY/SET button.**

Information on all loaded discs is read, and then the programming screen appears.

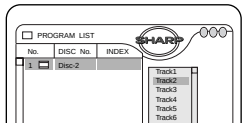
2 **Press the cursor (▲ or ▼) button to select "Add" and press the ENTER button.**



3 **Press the cursor (▲ or ▼) button to select a disc number and press the ENTER button.**

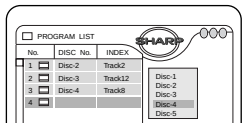


4 **Press the cursor (▲ or ▼) button to select a track number and press the ENTER button.**

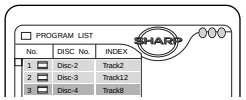


5 **Repeat steps 3 - 4 for other tracks. Up to 40 tracks can be programmed.**

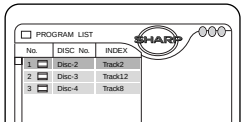
If you make a mistake, the programmed tracks can be cleared by pressing the CLEAR button.



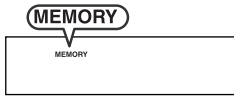
6 **Press the cursor (◄) button to finish programming.**



7 **Use the cursor (▲ or ▼) button to select a track to start with, and press the ► (play) button.**



- Playback starts from the selected track and ends after the last track in the programme.
- "MEMORY" lights up on the main unit during programmed play.



- Programmed tracks are stored until a disc is removed or you turn the power off.

To change the programmed contents:

1 Whilst stopped, press the MEMORY/SET button to show the programming screen.
2 Use the cursor (▲ or ▼) button to select an item and then press the cursor (►) button.
3 Use the cursor (▲ or ▼) button to select the desired command and then press the ENTER button.

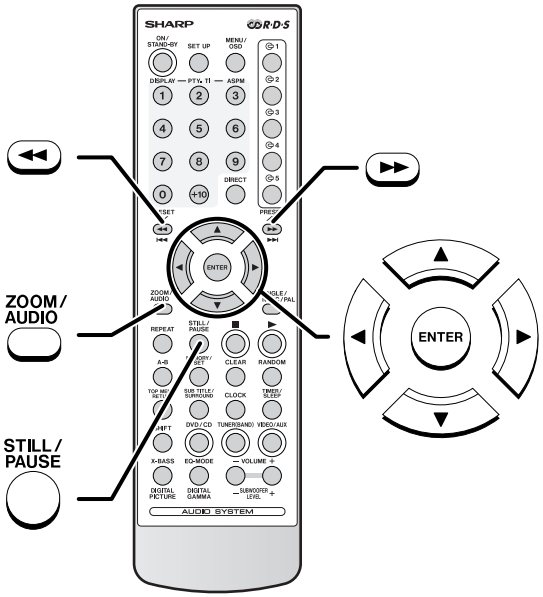
"Add"	Adds a track to the programme.
"Insert"	Inserts a track between programmed tracks. The track is inserted above (before) the selected track.
"Modify"	Modifies the track.
"Delete"	Deletes the selected track.
"Clear All"	Deletes the programme.
"Exit"	Turn off the programming screen.

Note:
On some discs, programmed play does not work.

04/3/19 XL-DV50H(H)_E.fm TINSZA007SJZZ

Playing an MP3 and JPEG disc

Page
Playing a disc . . . . . 19 - 21
To locate the beginning of a chapter/track (skip) 22
Fast forward/Fast reverse (search) 22
To play repeatedly (repeat play) 25, 26
To change the audio language (audio output) 27
To play in random order (random play) 33
To start playback from the desired point (direct play) 33

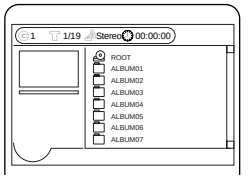


MP3 JPEG

You can play CD-R/RW recorded in the MP3 and JPEG formats.

Load a disc containing MP3 and JPEG tracks.

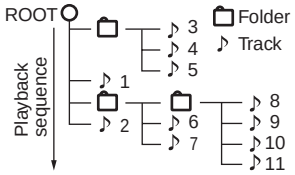
A menu screen appears and playback starts automatically.



··· Folder
··· MP3 Track
··· JPEG Track

Example of playback sequence

- Playback is performed in the order of 1 to 11 in this example.
- Tracks on some discs cannot be played in order.



When playing JPEG tracks

- Playback skips to the next track approx. every 5 seconds.
- To return to the menu screen, press the ■ button.

Selecting a folder/track on the menu screen:
Whilst in the stop mode, press the cursor (▲ or ▼) button to select a folder/track and press the ENTER button.

Caution:
If you convert MP3 data to "audio CD" data when recording on a CD-R/RW, play it as an audio CD. The MP3 operation cannot be performed.

Note:
Up to 20 characters can be displayed for a folder name and a track name. Underlines, asterisks, and spaces may not be displayed.

■ Zoom function JPEG

1 **During playback, press the ZOOM/AUDIO button.**

Zoom on

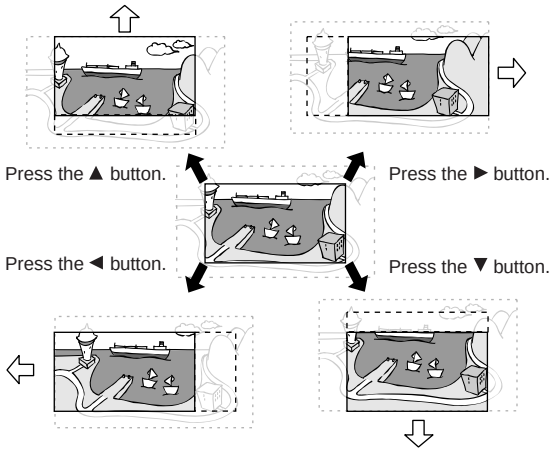
2 **Hold down the ◄◄ or ►► button for 2 seconds or more.**

Zoom 150 Pct

Use the ◄◄ or ►► button to switch the zoom setting as follows:

Zoom 025 Pct ↔ Zoom 050 Pct ↔ Zoom 100 Pct ↔ Zoom 150 Pct ↔ Zoom 200 Pct

3 **To shift the view and display the desired part of a zoomed image, press the cursor (▲, ▼, ◄ or ►) button repeatedly.**

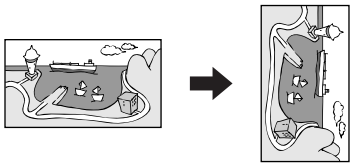


To return to normal view:
Press the ZOOM/AUDIO button again, "Zoom off" will show on the screen.

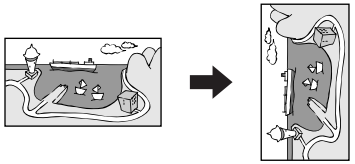
■ Rotating a picture JPEG

After pressing the STILL/PAUSE button, press the cursor (▲, ▼, ◄ or ►) button.
The image rotates as shown below.

► button: 90º rotation in a clockwise direction.



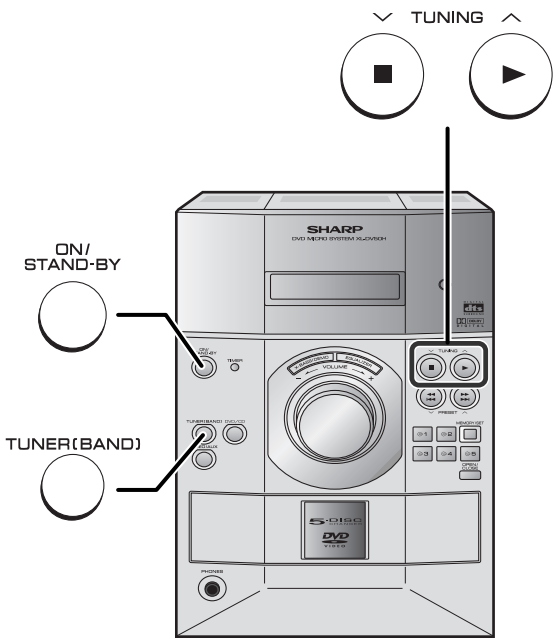
◄ button: 90º rotation in a anti-clockwise direction.



▲ button: Vertical mirror image.

▼ button: Horizontal mirror image.

Listening to the radio

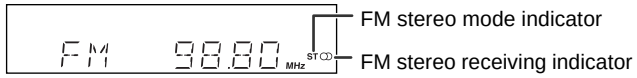


■ Tuning

1	**Press the ON/STAND-BY button to turn the power on.**
2	**Press the TUNER (BAND) button repeatedly to select the desired frequency band (FM or AM).**
3	**Press the TUNING (∨ or ∧) button to tune in to the desired station.** **Manual tuning:** Press the TUNING button as many times as required to tune in to the desired station. **Auto tuning:** When the TUNING button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

Notes:
- When radio interference occurs, auto scan tuning may stop automatically at that point.
- Auto scan tuning will skip weak signal stations.
- To stop the auto tuning, press the TUNING button again.
- When an RDS (Radio Data System) station is tuned in, the frequency will be displayed first, and then the RDS indicator will light. Finally, the station name will appear.
- Full auto tuning can be achieved for RDS stations "ASPM", see page 41.

To receive an FM stereo transmission:
Press the TUNER (BAND) button to display the "ST" indicator.
- "∞" will appear when an FM broadcast is in stereo.
- If the FM reception is weak, press the TUNER (BAND) button to extinguish the "ST" indicator. The reception changes to monaural, and the sound becomes clearer.

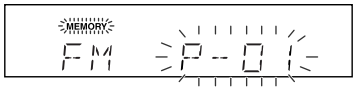


■ Memorising a station

You can store 40 AM and FM stations in memory and recall them at the push of a button. (Preset tuning)

1 **Perform steps 1 - 3 in "Tuning" on page 37.**

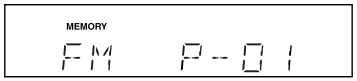
2 **Press the MEMORY/SET button to enter the preset tuning saving mode.**



3 **Within 30 seconds, press the PRESET (∨ or ∧) button to select the preset channel number.**

Store the stations in memory, in order, starting with preset channel 1.

4 **Within 30 seconds, press the MEMORY/SET button to store that station in memory.**



If the "MEMORY" and preset number indicators go out before the station is memorised, repeat the operation from step 2.

5 **Repeat steps 1 - 4 to set other stations, or to change a preset station.**

When a new station is stored in memory, the station previously memorised will be erased.

Note:
The backup function protects the memorised stations for a few hours should there be a power failure or the AC power lead get disconnected.

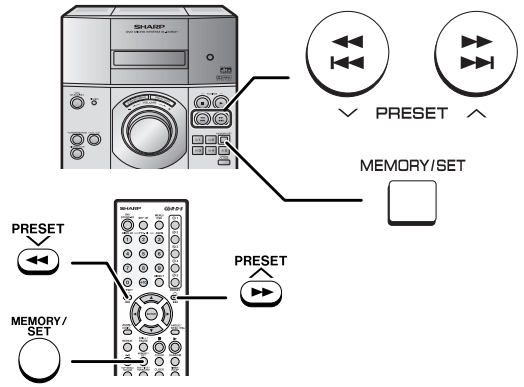
■ To recall a memorised station

Press the PRESET (∨ or ∧) button for less than 0.5 seconds to select the desired station.

■ To scan the preset stations

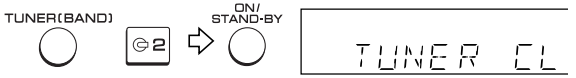
The stations saved in memory can be scanned automatically. (Preset memory scan)

1 Press the PRESET (∨ or ∧) button for more than 0.5 seconds. The preset number will flash and the programmed stations will be tuned in sequentially, for 5 seconds each.
2 Press the PRESET (∨ or ∧) button again when the desired station is located.



■ To erase entire preset memory

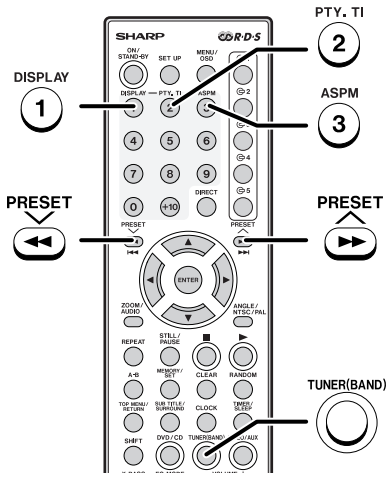
1 Press the ON/STAND-BY button to enter the stand-by mode.
2 Whilst pressing down the TUNER(BAND) button and the ⊖2 button, press the ON/STAND-BY button until "TUNER CL" appears.



Using the Radio Data System (RDS)

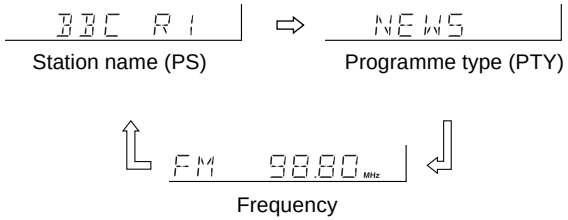
RDS is a broadcasting service which a growing number of FM stations provide. These FM stations send additional signals along with their regular programme signals. They send their station names, and information about the type of programme such as sport, music, etc.
When tuned to an RDS station, "RDS" and the station name will be displayed.
"TP" (Traffic Programme) will appear on the display when the received broadcast carries traffic information, and "TA" (Traffic Announcement) will appear whilst a traffic information is on air.

You can control the RDS by using the remote control only.

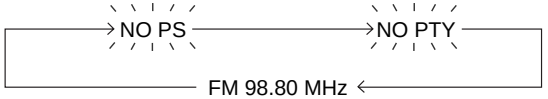


■ Information provided by RDS

Each time the DISPLAY button is pressed, the display will switch as follows:



When you are tuning in to a station other than an RDS station or to an RDS station which sends weak signal, the display will change in the following order:



Descriptions of the PTY (Programme Type) codes, TP (Traffic Programme) and TA (Traffic Announcement).
You can search for and receive the following PTY, TP and TA signals.

NEWS	Short accounts of facts, events and publicly expressed views, reportage and actuality.
AFFAIRS	Topical programme expanding or enlarging upon the news, generally in different presentation style or concept, including debate, or analysis.
INFO	Programmes whose purpose is to impart advice in the widest sense.
SPORT	Programme concerned with any aspect of sport.
EDUCATE	Programme intended primarily to educate, of which the formal element is fundamental.
DRAMA	All radio plays and serials.
CULTURE	Programmes concerned with any aspect of national or regional culture, including language, theatre, etc.
SCIENCE	Programmes about the natural sciences and technology.
VARIED	Used for mainly speech-based programmes usually of light-entertainment nature, not covered by other categories. Examples include: quizzes, panel games, personality interviews.
POP M	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
ROCK M	Contemporary modern music, usually written and performed by young musicians.
EASY M	Current contemporary music considered to be "easy-listening", as opposed to Pop, Rock or Classical, or one of the specialised music styles, Jazz, Folk or Country. Music in this category is often but not always, vocal, and usually of short duration.
LIGHT M	Classical music for general, rather than specialist appreciation. Examples of music in this category are instrumental music, and vocal or choral works.
CLASSICS	Performances of major orchestral works, symphonies, chamber music, etc., and including Grand Opera.
OTHER M	Musical styles not fitting into any of the other categories. Particularly used for specialist music of which Rhythm & Blues and Reggae are examples.
WEATHER	Weather reports and forecasts and meteorological information.
FINANCE	Stock Market reports, commerce, trading, etc.
CHILDREN	For programmes targeted at a young audience, primarily for entertainment and interest, rather than where the objective is to educate.
SOCIAL	Programmes about people and things that influence them individually or in groups. Includes: sociology, history, geography, psychology and society.
RELIGION	Any aspect of beliefs and faiths, involving a God or Gods, the nature of existence and ethics.
PHONE IN	Involving members of the public expressing their views either by phone or at a public forum.
TRAVEL	Features and programmes concerned with travel to near and far destinations, package tours and travel ideas and opportunities. Not for use for announcements about problems, delays, or roadworks affecting immediate travel where TP/TA should be used.
LEISURE	Programmes concerned with recreational activities in which the listener might participate. Examples include, Gardening, Fishing, Antique collecting, Cooking, Food & Wine, etc.
JAZZ	Polyphonic, syncopated music characterised by improvisation.

Using the Radio Data System (RDS) (continued)

COUNTRY	Songs which originate from, or continue the musical tradition of the American Southern States. Characterised by a straightforward melody and narrative story line.
NATION M	Current Popular Music of the Nation or Region in that country's language, as opposed to International 'Pop' which is usually US or UK inspired and in English.
OLDIES	Music from the so-called "golden age" of popular music.
FOLK M	Music which has its roots in the musical culture of a particular nation, usually played on acoustic instruments. The narrative or story may be based on historical events or people.
DOCUMENT	Programme concerned with factual matters, presented in an investigative style.
TEST	Broadcast when testing emergency broadcast equipment or receivers.
ALARM	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature.
TA	Traffic announcements are being broadcast.
TP	Broadcasts which carry traffic announcements.

■ Using the Auto Station Programme Memory (ASPM)

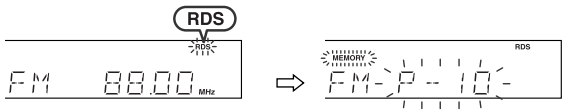
Whilst in the ASPM operation mode, the tuner will automatically search for new RDS stations. Up to 40 stations can be stored.
If you have already stored some stations in memory, the number of new stations you can store will be less.

1 Press the TUNER (BAND) button to select the FM band.

2 Press and hold down the ASPM button for at least 3 seconds.

1 After "ASPM" has flashed for about 4 seconds, scanning will start (87.50 - 108.00 MHz).

2 When an RDS station is found, "RDS" will appear first, and then "MEMORY" and the preset channel number will flash for 2 seconds. Finally the station will be stored in memory.



3 After scanning, the number of stations stored in memory will be displayed for 4 seconds, and then "END" will appear for 4 seconds.

To stop the ASPM operation before it is complete:
Press the ASPM button whilst it is scanning for stations.
The stations which are already stored in memory will be kept there.

Notes:
- Any station which has the same frequency as one stored in memory will not be stored.
- If 40 stations have already been stored in memory, the scan will be aborted. If you want to redo the ASPM operation, erase the preset memory.
- If no stations have been stored in memory, "END" will appear for about 4 seconds.
- If the RDS signals are very weak, station names may not be stored in memory.

To erase all of the contents of preset memory:

1 Press the ON/STAND-BY button to enter the stand-by mode.
2 Whilst pressing down the TUNER (BAND) button and the ⏲2 button, press the ON/STAND-BY button until "TUNER CL" appears.

- After performing this operation, all of the preset memory information will be erased.

To store a station name again if the wrong name was stored in memory:
It may be impossible to store station names in memory using the ASPM function if there is lots of noise or if the signal is too weak. In this case, perform as follows.

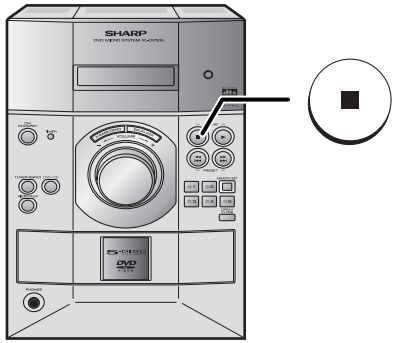
1 Press the PRESET (∨ or ∧) button to check whether the names are correct.
2 If you find a wrong name during receiving the station, wait until the correct name will be displayed. And then press the MEMORY button.
3 Within 5 seconds, press the MEMORY button whilst the preset channel number is flashing.
- The new station name has been stored in memory correctly.

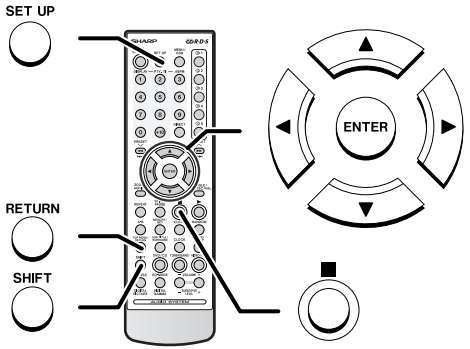
Notes:
- The same station name can be stored in different channels.
- In a certain area or during certain time periods, the station names may temporarily be different.

■ Notes for RDS operation

If any of the following events occur, it does not mean that the unit is faulty:
- "PS", "NO PS" and a station name appear alternately, and the unit does not operate properly.
- If a particular station is not broadcasting properly or a station is conducting tests, the RDS reception function may not work properly.
- When you receive an RDS station whose signal is too weak, information like the station name may not be displayed.
- "NO PS" or "NO PTY" will flash for about 5 seconds, and then the frequency will be displayed.

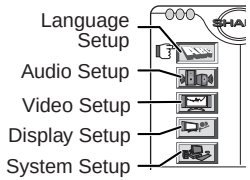
Changing the initial setting of DVD





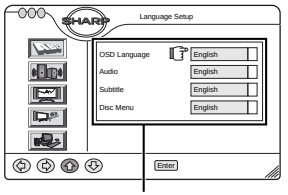
1 **After pressing the ■ button, press the SET UP button.**

2 **Press the cursor (▲ or ▼) button to select the main menu and press the ENTER button.**



3 **Press the cursor (▲ or ▼) button to select the sub-menu and press the ENTER button.**

To return to the previous display, press the cursor (◀) button. Or press the SHIFT button and then press the RETURN button.



Submenu

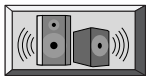
4 **Press the cursor (▲ or ▼) button to change the setting and press the ENTER button.**

- To return to the previous display, press the cursor (◀) button. Or press the SHIFT button and then press the RETURN button.
- To change other settings, begin from step 2.

5 **Press the SET UP button.**

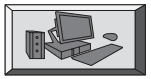
The new setting is memorised.

Note:
Settings are retained even if the unit is set to the stand-by mode.

Setting	Selectable parameters (* indicates initial settings.)		Description	Reference page
Language Setup	OSD Language	English* Français Español Deutsch Nederlands Italiano Svenska	Selects the initial or playback setting language.	P. 47
	Audio	English* French ⋮	Select a language to play.	P. 47
	Subtitle	English* French ⋮	Selects the subtitle displayed on the TV screen.	P. 47
	Disc menu	English* French ⋮	Selects the disc menu language.	P. 47
Audio Setup 	Digital output	BitStream* LPCM	Select a type of signal sent from the digital audio output socket.	P. 52
	LPCM output	48 kHz 96 kHz*	PCM sound signals recorded in 96 kHz are converted to 48 kHz.	–
	Analog output	Surround 2.1Ch*	Select a type of signal sent to the speaker. **Surround:** 2 channel (video CD/audio CD) or 5.1 channel (DVD) sound are converted to 2.1 channel sound (virtual speaker surround sound). **2.1Ch:** 2 channel (video CD/audio CD) or 5.1 channel (DVD) sound are converted to 2.1 channel sound (with the subwoofer sound increased).	–
	Compression	On Off*	Set to on to enjoy the realistic sound as recorded on the disc. **On:** Realistic sound is produced as recorded on DVD/video CD/audio CD. **Off:** The range of signal levels is reduced to moderate sudden increase in playback volume.	–

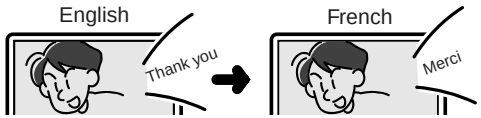
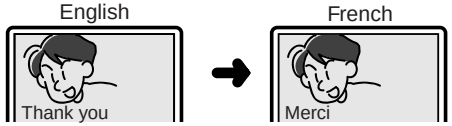
Changing the initial setting of DVD (continued)

Setting	Selectable parameters (* indicates initial settings.)		Description	Reference page
Video Setup	TV screen	4:3 PS* 4:3 LB 16:9	The screen mode should be set according to the connected TV type.	P. 47
	TV type	PAL* NTSC AUTO	Selects the correct colour system (TV standard). **PAL:** Select this mode for the PAL TV. **NTSC:** Select this mode for the NTSC TV. **AUTO:** Select this mode for the multi-system TV.	P. 13
	Video output	SCART* S-Video	The video output mode should be set according to the connected TV type. **SCART:** Select this when the unit is connected to a TV with a SCART cable. **S-Video:** Select this when the unit is connected to a TV with an S-video or video cable.	P. 13, 14
	Picture mode	Auto Film Video Smart*	Select a mode to optimise DVD or video CD images on a TV. **Auto:** Images are automatically optimised according to the video source. **Film:** Suitable for progressive video output. Select for DVD movies, etc. **Video:** Suitable for interlaced video output. Select for DVD karaoke, video CD, etc. **Smart:** Optimise special effects for progressive video output.	–

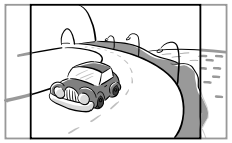
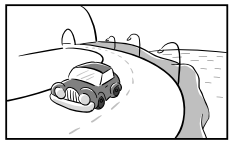
Setting	Selectable parameters (* indicates initial settings.)		Description	Reference page
Display Setup	Angle mark	On* Off	Select whether to display "" (On) or not (Off).	P. 28
	Screen saver	On Off*	Select whether to use a screen saver (On) or not (Off). **On:** Press the ■ button. After 5 minutes or more of inactivity, a screen saver appears. To turn off the screen saver on the screen, press any button on the main unit or remote control. **Off:** Cancel the screen saver setting.	–
System Setup 	Rating Level Please enter a 4-digit password. (Default setting: 6629)	1 G 2 3 PG 4 PG 13 5 6 PG-R 7 NC-17 8 Adult No Limit*	Sets a restriction level for DVD viewing.	P. 48
	Password	----------	Password setting.	P. 48
	Restore Info	----------	This resets all settings, except for "Rating Level" and "Password", to the factory defaults.	P. 48

Changing the initial setting of DVD (continued)

■ Language

Indicator	Setting
OSD Language	A language for screen display can be set, such as for initial settings or messages.
Audio	A language for audio can be set. You can specify a language for conversation and narration. 
Subtitle	A language for subtitle can be set. The subtitles are displayed in a specified language. 
Disc Menu	A language for disc menus can be set. Menu screens are displayed in a specified language.

■ Video format

Indicator	Setting
4:3 LB	When playing a wide image (16:9) disc, black bands are inserted at the top and bottom and you can enjoy full wide images (16:9) on a 4:3 size TV. A 4:3 disc is played in 4:3.
4:3 PS	When playing a wide image (16:9) disc, the left and right sides of the image are cut (pan scan) to display a natural-looking 4:3 size image.  A wide image disc without pan scan [PS] is played back in 4:3 letterbox. A 4:3 disc is played in 4:3.
16:9	A wide image (16:9) is displayed when playing a wide image (16:9) disc.  ● When playing a 4:3 image disc, the image size depends on the setting of the connected TV. ● If you play back a wide image (16:9) disc with the unit connected to a 4:3 TV, images appear stretched vertically.

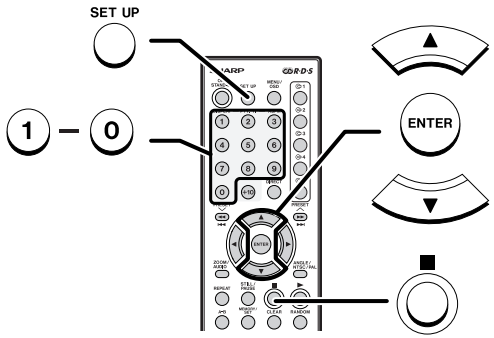
Note:
When playing the disc with a fixed video format, it will not change even if the TV screen size is changed.

■ Rating level setting

Indicator	Setting
1 G	Only DVD software intended for children can be played back.
2 **3 PG** **4 PG 13** **5** **6 PG-R** **7 NC-17**	Only DVD software intended for general use and children can be played back.
8 Adult	DVD software of any grade (adult/general/children) can be played back.
No Limit	Rating level control is cancelled.

Notes:

- To change the rating level, enter a 4-digit password. It is set to 6629 by default.
- Whilst playing a disc with parental lock, the display may appear requesting a password in order to watch some restricted scenes. In such a case, enter the password to temporarily change the parental level.



■ To change the password

1 **After pressing the ■ button, press the SET UP button.**

2 **Press the cursor (▲ or ▼) button to select "System Setup" and press the ENTER button.**

3 **Press the cursor (▲ or ▼) button to select "Password" and press the ENTER button.**

4 **Enter a 4-digit old password with the direct number buttons on the remote control.**

(Default setting: 6629)

5 **Enter a 4-digit new password with the direct number buttons on the remote control.**

6 **Enter the new password again for confirmation.**

7 **Press the SET UP button.**

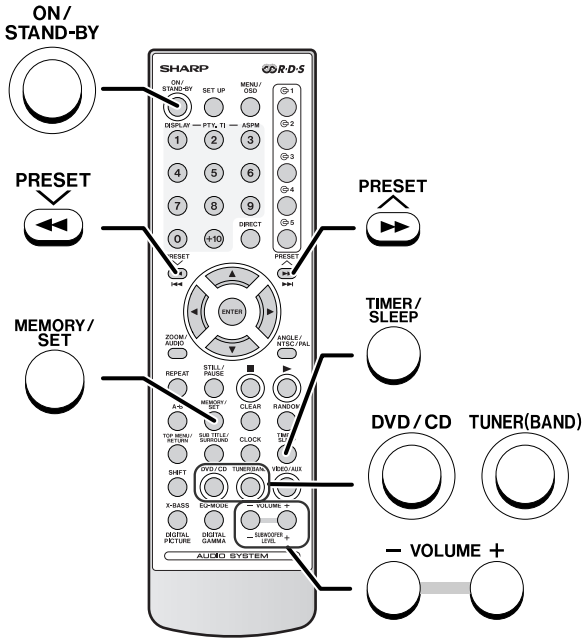
When you forget your password

1 After pressing the ■ button, press the SET UP button.
2 Press the cursor (▲ or ▼) button to select "System Setup" and press the ENTER button.
3 Press the cursor (▲ or ▼) button to select "Restore Info" and press the ENTER button.
4 Enter 2486 with the direct buttons and then press the ENTER button.
When reset is done according to this method, all settings, including the settings for password and rating level, will be reset to the factory defaults.

Timer and sleep operation

Timer playback:
The unit turns on and plays the desired source (DVD, video CD, audio CD, MP3 disc, tuner) at the preset time.

Sleep operation:
You can set the system to the power stand-by mode at the specified time.



■ Timer playback

Before setting timer:

1 Press the CLOCK button to check that the clock is set to the correct time. (Refer to page 18.)
2 Load the discs to be played.

⇩

1 Press the ON/STAND-BY button to turn the power on.

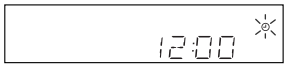
2 Press the DVD/CD or TUNER (BAND) button to select the desired function.

When you select the TUNER (BAND), tune into the desired station.

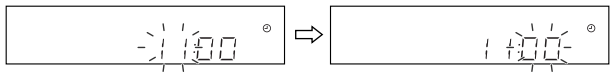
3 Adjust the volume using the VOLUME buttons.

Do not turn the volume up too high.

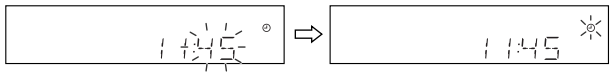
4 Press the TIMER/SLEEP button repeatedly until "◴" is displayed and then within 8 seconds, press the MEMORY/SET button.



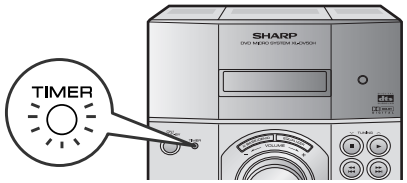
5 Within 30 seconds, press the PRESET (∨ or ∧) button to specify the hour to start, then press the MEMORY/SET button.



6 **Within 30 seconds, press the PRESET (∨ or ∧) button to specify the minute to start, then press the MEMORY/SET button.**



- Settings are displayed in order and the unit will enter the timer stand-by mode.
- Timer set indicator will light up.



To cancel the timer playback:

Press the ON/STAND-BY button to turn the power on.

7 **When the preset time is reached, playback will start.**

The volume will increase gradually until it reaches the volume you were listening to before your system entered the timer stand-by mode.

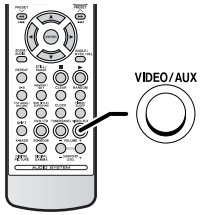
8 **The unit will enter the power stand-by mode one hour after the timer playback starts.**

To reset or change the timer setting:

Perform "Timer playback" from the beginning.

Note:

When performing timer playback using another unit connected to the VIDEO/AUX sockets, select "VIDEO/AUX" in step 2. At this time, only this unit will be turned on or enter the power stand-by mode automatically. It will enter the power stand-by mode 1 hour after the playback starts. However, the other unit will not be turned on or off.

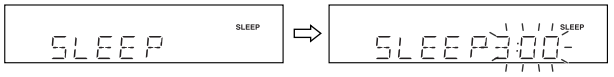


Timer and sleep operation (continued)

■ Sleep operation

1 **Play back the desired sound source.**

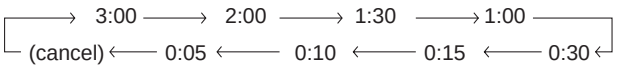
2 **Press the TIMER/SLEEP button repeatedly until "SLEEP" is displayed and then within 8 seconds, press the MEMORY/SET button.**



To change the sleep time:

Whilst the sleep time is displayed, press the PRESET (∨ or ∧) button.

(Maximum: 3 hours - Minimum: 5 minutes)



3 **Within 30 seconds, press the MEMORY/SET button.**

4 **The unit will enter the power stand-by mode automatically after the preset time has elapsed.**

The volume will turn down 30 seconds before the sleep operation finishes.

To confirm the remaining sleep time:
Press the TIMER/SLEEP button whilst the sleep timer is set.
The remaining sleep time is displayed for about 8 seconds.

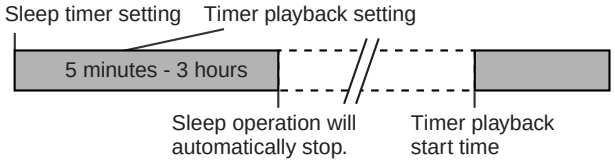
To cancel the sleep operation:
Press the ON/STAND-BY button whilst the sleep timer is set.

■ To use timer and sleep operation together

Example: To fall asleep and wake up to the same radio station
You can play back the same source only (the function cannot be switched).

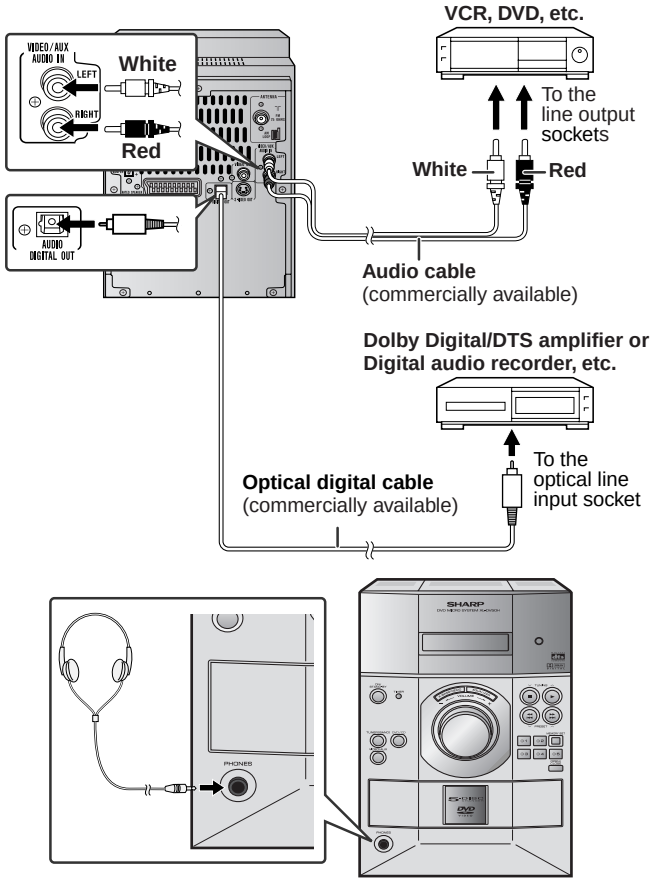
1 **Set the sleep time (see left, steps 1 - 3).**

2 **Whilst the sleep timer is set, set the timer playback (steps 4 - 6, pages 49 - 50).**


Sleep timer setting
Timer playback setting
5 minutes - 3 hours
Sleep operation will automatically stop.
Timer playback start time

Enhancing your system

The connection lead is not included. Purchase a commercially available lead as shown below.



■ Listening to the playback sounds from VCR, DVD, etc.

1 Use a connection lead to connect the VCR, DVD, etc. to the VIDEO/AUX AUDIO IN sockets.
When using video equipment, connect the audio output to this unit and the video output to a television.

2 Press the ON/STAND-BY button to turn the power on.

3 Press the VIDEO/AUX button.

4 Play the connected equipment.

Note:
To prevent noise interference, place the unit away from the television.

■ Digital connection to a surround amplifier or a digital audio recorder, etc.

Selecting a sound signal type
When connecting other equipment to the digital audio output, adjust the audio output setting accordingly (see page 43).
Bitstream
Choose this when connecting the unit to a Dolby Digital/DTS (5.1ch) surround amplifier. When playing a DVD recorded in Dolby Digital or DTS, bitstream output allows you to enjoy the 5.1ch surround sound.
LPCM
Choose this for PCM output. When playing a DVD recorded in Dolby Digital, the output converts to 2 channel PCM. When a DVD recorded in DTS is played back, signals are sent in bitstream.

■ Headphones

- Before plugging in or unplugging the headphones, reduce the volume.
- Be sure your headphones have a 3.5 mm (1/8") diameter plug and are between 16 ohms and 50 ohms impedance. The recommended impedance is 32 ohms.
- Plugging in the headphones disconnects the speakers automatically. Adjust the volume using the VOLUME control.

Troubleshooting chart

Many potential problems can be resolved by the owner without calling a service technician.
If something is wrong with this product, check the following before calling your authorised SHARP dealer or service centre.

■ General

Symptom	Possible cause
The clock is not set to the correct time.	● Did a power failure occur? Reset the clock. (Refer to page 18.)
When a button is pressed, the unit does not respond.	● Set the unit to the power stand-by mode and then turn it back on. ● If the unit still malfunctions, reset it. (Refer to page 54.)
No sound is heard.	● Is the volume level set to "0"? ● Are the headphones connected? ● Are the speaker wires disconnected? ● Is the TV or amplifier volume level set to "0"?
Noise is heard during playback.	● Move the unit away from any computers or mobile phones.
The power is not turned on.	● Is the unit unplugged?

■ Remote control

Symptom	Possible cause
The remote control does not operate.	● Is the AC power lead of the unit plugged in? ● Is the battery polarity correct? ● Are the batteries dead? ● Is the distance or angle incorrect? ● Does the remote control sensor receive strong light?

■ DVD player

Symptom	Possible cause
No images are displayed.	● Is TV turned on? ● Is the input of TV switched?
Even though a disc is loaded, "No Disc" is displayed. Playback sounds are skipped.	● Is the disc loaded upside down? ● Is the disc very dirty? ● Does the disc satisfy the standards? ● Is the unit located near excessive vibrations? ● Is condensation formed inside the unit?
The control buttons do not function. Music or video playback is interrupted.	● Is the disc very dirty? ● Does the disc satisfy the standards? ● Is the unit located near excessive vibrations? ● Is condensation formed inside the unit?
Pictures and sound are skipped.	● Is the disc very dirty? ● Is the unit located near excessive vibrations? ● Is condensation formed inside the unit?
The unit does not operate even if the power is on.	● Is a disc other than a DVD (region number 2 or ALL), video CD, audio CD, CD-R or CD-RW loaded?
Images cannot be played back. (Sound is not heard.)	● Is a disc other than a DVD (region number 2 or ALL), video CD, audio CD, CD-R or CD-RW loaded? ● Is the disc very dirty? ● Is the disc loaded upside down? ● Is the optical pickup dirty? ● Is the TV input set to "VIDEO 1/VIDEO 2", etc.? ● Is the unit turned on?

■ Tuner

Symptom	Possible cause
The radio makes unusual noises continuously.	Is the unit placed near the TV or computer? Is the FM aerial or AM loop aerial placed properly? Move the aerial away from the AC power lead if it's located nearby.

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (laser pickup, etc.) or on the transmitter on the remote control.
Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.

■ If trouble occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

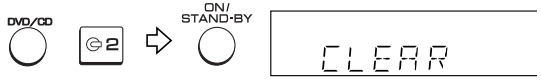
If such a problem occurs, do the following:

1 Set the unit to the stand-by mode and turn the power on again.
2 If the unit is not restored in the previous operation, unplug and plug in the unit, and then turn the power on.

Note:
If neither operation above restores the unit, clear all the memory by resetting it.

■ Clearing all the memory (reset)

1 Press the ON/STAND-BY button to enter the power stand-by mode.
2 Whilst pressing down the DVD/CD button and the ©2 button, press the ON/STAND-BY button until "CLEAR" appears.



Caution:
When you reset, all data is deleted and the settings return to the default. (DVD initial settings are retained.)

■ Before transporting the unit

Remove all discs from the unit. Make sure there is no disc in the disc tray. Then, set the unit to the power stand-by mode. Carrying the unit with discs left inside can damage the unit.

Error indicators and warnings

When you load an unplayable disc or fail to perform operations properly, the following messages are displayed on the TV screen.

TV screen	Meaning
Disc Error	The disc cannot be played with this system or it is loaded in an incorrect way.
Wrong Region	The region number of the DVD is neither "2" nor "ALL".
⃠	The disc does not support the operation described in this operation manual.

Maintenance

■ Cleaning the cabinet

Periodically wipe the cabinet with a soft cloth and a diluted soap solution, then with a dry cloth.

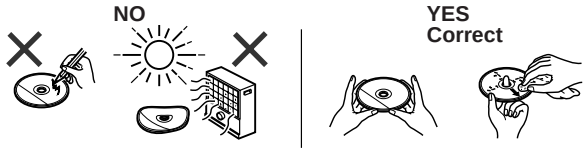
Caution:

- Do not use chemicals for cleaning (petrol, paint thinner, etc.). It may damage the cabinet finish.
- Do not apply oil to the inside of the unit. It may cause malfunctions.

■ Care of discs

Discs are fairly resistant to damage, however mistracking can occur due to an accumulation of dirt on the disc surface. Follow the guidelines below for maximum enjoyment from your disc collection and player.

- Do not write on either side of the disc, particularly the non-label side from which signals are read. Do not mark this surface.
- Keep your discs away from direct sunlight, heat, and excessive moisture.
- Always hold the discs by the edges. Fingerprints, dirt, or water on the discs can cause noise or mistracking. If a disc is dirty or does not play properly, clean it with a soft, dry cloth, wiping straight out from the centre, along the radius.



Specifications

As part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

■ General

Power source	AC 230 V, 50 Hz
Power consumption	Power on: 98 W Power stand-by: 0.6 W (*)
Dimensions	Width: 160 mm (6-5/16") Height: 240 mm (9-7/16") Depth: 300 mm (11-13/16")
Weight	6.0 kg (13.2 lbs.)

(*) This power consumption value is obtained when the demonstration mode is cancelled in the power stand-by mode. Refer to page 15 to cancel the demonstration mode.

■ Amplifier

Output power	Front speakers: PMPO: 180 W MPO: 90 W (45 W + 45 W) (DIN 45 324) RMS: 60 W (30 W + 30 W) (DIN 45 324) RMS: 45 W (22.5 W + 22.5 W) (DIN 45 500) Subwoofer: PMPO: 120 W MPO: 60 W (DIN 45 324) RMS: 40 W (DIN 45 324) RMS: 30 W (DIN 45 500)

Audio output terminals	Front speakers and subwoofer: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Optical digital output: Square type × 1
Audio input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms
Video output terminals	SCART output: SCART terminal × 1 Video output: RCA type × 1 S-video output: S-terminal × 1

■ DVD player

Type	5-disc multi-play compact disc player	
Signal readout	PAL/NTSC colour	
Supported disc types	DVD (region number 2, ALL), video CD, audio CD, CD-R, CD-RW	
Video signal	Horizontal resolution: 500 lines S/N ratio: 75 dB	
Audio signal	**Frequency characteristics**	Linear PCM DVD: 30 Hz to 20 kHz (sampling rate: 48 kHz) 30 Hz to 20 kHz (sampling rate: 96 kHz) CD: 30 Hz to 20 kHz
	S/N ratio	CD: 95 dB (1 kHz)
	Dynamic range	Linear PCM DVD: 92 dB CD: 92 dB
	Total harmonic distortion ratio	0.14 %

■ Tuner

Frequency range	FM: 87.5 - 108 MHz AM: 522 - 1,620 kHz

■ Front speaker

Type	2-way type speaker system (magnetic shield) 4 cm (1.5") tweeter 10 cm (4") woofer
Maximum input power	60 W
Rated input power	30 W
Impedance	6 ohms
Dimensions	Width: 165 mm (6-1/2") Height: 240 mm (9-7/16") Depth: 265 mm (10-7/16")
Weight	2.5 kg (5.5 lbs.)/each

■ Subwoofer

Type	15 cm (6") subwoofer system (magnetic shield)
Maximum input power	80 W
Rated input power	40 W
Impedance	6 ohms
Dimensions	Width: 160 mm (6-5/16") Height: 240 mm (9-7/16") Depth: 270 mm (10-5/8")
Weight	2.9 kg (6.4 lbs.)/each

SHARP

SHARP CORPORATION

TINSZA007SJZZ
04C N HK ①

UP

DOWN

XL-DV50H **DVD MICRO SYSTEM**

SHARP